TFT-LCD MONITOR

Chassis	Model
MH15AS	SyncMaster 510MP
MH17AS	SyncMaster 710MP

SERVICE Manual

TFT-LCD MONITOR

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING: Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

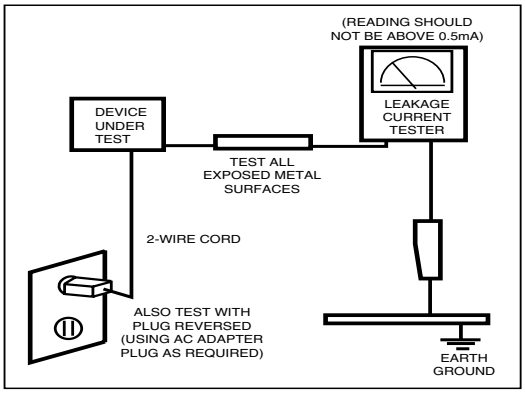


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and / or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

Item	Description	
	MH15AS	MH17AS
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly white, 15-Inch viewable, 0.297 mm pixel pitch	TFT-LCD panel, RGB vertical stripe, normaly white, 17-Inch viewable, 0.264 mm pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 60 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	30 kHz ~ 81 kHz (Automatic) 56 Hz ~ 75 Hz (Automatic)z
Display Colors	16.2 Million colors	
Maximum Resolution	Horizontal : 1024 Pixels Vertical : 768 Pixels	1280 Pixels 1024 Pixels
Input Video Signal	Analog, 0.7 Vp-p ± 1% positive at 75 Ω, internally terminated	
Input Sync Signal	Type: Separate H/V automatic synchronization without external switch of sync type Level: TTL level	
Maximum Pixel Clock rate	135 MHz	
Active Display Horizontal/Vertical	337.9 mm(H) / 270.3 mm(V)	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60/ 50 Hz ± 3 Hz	
Power Consumption	40 W (max)	49 W (max)
Dimensions Set (W x H x D) Package (W x H x D)	 14.0 x 14.1 x 7.3 Inches (355.0 X 358.5 X 184.2 mm) 14.0 x 13.5 x 2.2 Inches (355.0 X 343.5 X 56.0 mm) 17.2 x 19.3 x 5.2 Inches (438 X 490 X 133 mm)	 15.3 x 15.8 x 8.1 Inches (389.0 X 402.5 X 206.0 mm) 15.3 x 15.2 x 2.5 Inches (389.0 X 386.0 X 63.0 mm) 19.0 x 21.3 x 5.8 Inches (482 X 542 X 148 mm)
Weight (Set/Package)	4.15 kg (9.1 lbs) / 5.2 kg (11.5 lbs)	5.6 kg (12.3 lbs) / 7.2 kg (15.9 lbs)
TV System	Tunning Color Sound	Frequency Synthesize PAL NICAM, MONO
Antena Input	75Ω Coaxial Cable	
Sound Characteristic	– MAX Internal speaker Out : Right => 1.5 W Left => 1.5 W – BASS Control Range : -12 dB ~ + 12 dB – TREBLE Control Range : -12 dB ~ + 12 dB – Line Out : -7 dBm (Fixed) – Headphone Out : RF => 5 mW (400 m Vrms) A/V => 10 mW (580 Vrms), Max Input sound : -9 dB – Output Frequency : RF => 80 Hz ~ 15 KHz (at -3 dB) A/V => 80 Hz ~ 20 KHz (at -3 dB)	

- MH15AS/MH17AS complies with SWEDAC (MPR II) recommendations for reduced electromagnetic fields.
- Designs and specifications are subject to change without prior notice.

2-2 Pin Assignments

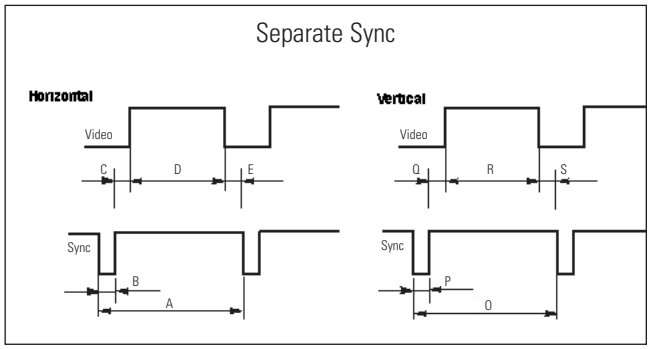
Sync Type / Pin No.	15-Pin Signal Cable Connector		
	Separate	**Composite**	**Sync-on-green**
1	Red	Red	Red
2	Green	Green	Green + H/V Sync
3	Blue	Blue	Blue
4	GND	GND	GND
5	GND (DDC Return)	GND (DDC Return)	GND (DDC Return)
6	GND-Red	GND-Red	GND-Red
7	GND-Green	GND-Green	GND-Green
8	GND-Blue	GND-Blue	GND-Blue
9	No Connection	No Connection	Not Used
10	GND-Sync/Self Test	GND-Sync/Self Test	GND-Sync/Self Test
11	GND	GND	GND
12	DDC Data	DDC Data	DDC Data
13	Horizontal sync	H/V-Sync	Not Used
14	Vertical sync	Not Used	Not Used
15	DDC Clock	DDC Clock	DDC Clock

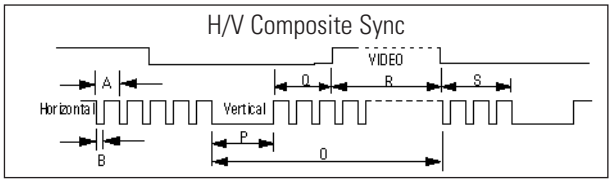
2-3 Timing Chart

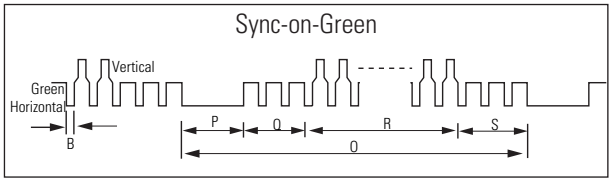
This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1 Timing Chart

Mode / Timing	IBM		VESA								
	VGA2/ 70 Hz 720 x 400	VGA3/ 60 Hz 640 x 480	640/75 Hz 640 x 480	640/85 Hz 640 x 480	800/75 Hz 800 x 600	800/85 Hz 800 x 600	1024/60Hz 1024 x 768	1024/75Hz 1024 x 768	1024/85Hz 1024x768	1280/76Hz 1280x1024 (Analog Only)	1280/75Hz 1280x1024 (Analog Only)
fH (kHz)	31.469	31.469	37.500	43.269	46.875	53.674	48.363	60.023	68.677	81.129	79.976
A µsec	31.777	31.778	26.667	23.111	21.333	18.631	20.677	16.660	14.561	16.640	12.504
B µsec	3.813	3.813	2.032	1.556	1.616	1.138	2.092	1.219	1.016	6.400	1.067
C µsec	1.589	1.589	3.810	2.222	3.232	2.702	2.462	2.235	2.201	2.880	1.837
D µsec	26.058	26.058	20.317	17.778	16.162	14.222	15.754	13.003	10.836		9.481
E µsec	0.318	0.318	0.508	1.556	0.323	0.569	0.369	0.203	0.508	3.200	0.119
fV (Hz)	70.087	59.940	75.000	85.008	75.000	85.061	60.004	75.029	84.997	76.106	75.025
O msec	14.268	16.683	13.333	11.764	13.333	11.756	16.666	13.328	11.765	10.660	13.329
P msec	0.064	0.064	0.080	0.671	0.064	0.056	0.124	0.050	0.044	0.080	0.038
Q msec	0.858	0.794	0.427	0.578	0.448	0.503	0.600	0.466	0.524	3.200	0.475
R msec	13.155	15.761	12.800	11.093	12.800	11.179	15.880	12.795	11.183		12.804
S msec	0.191	0.064	0.027	0.023	0.021	0.019	0.062	0.017	0.015	0.020	0.013
Clock Freq. (MHz)	28.322	25.175	31.500	49.500	49.500	56.250	75.000	78.750	94.500	135.000	135.000
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
V.Sync	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Com.	Separate







A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

Memo

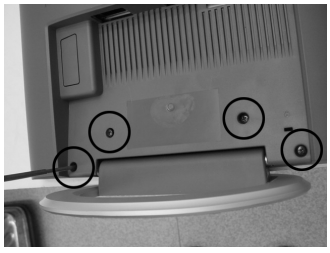
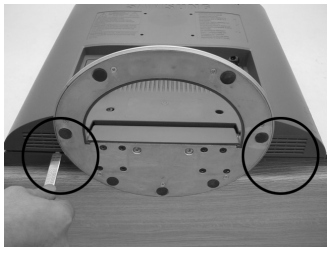
3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the MH15AS/MH17AS monitor.

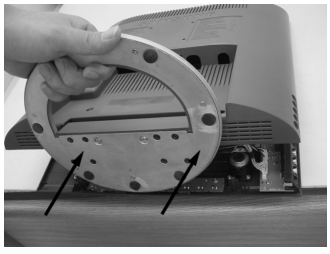
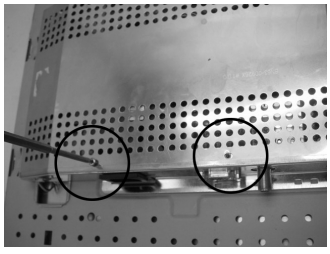
WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

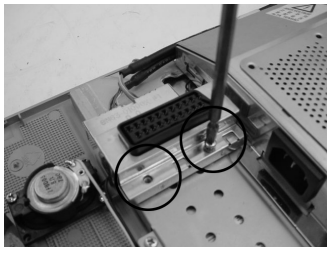
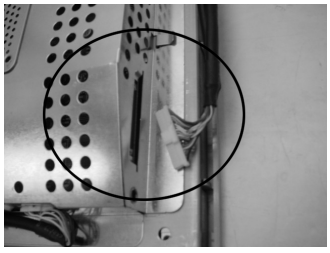
Cautions : 1. Disconnect the monitor from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
3. R/Cover opening jig : BH81-00001A

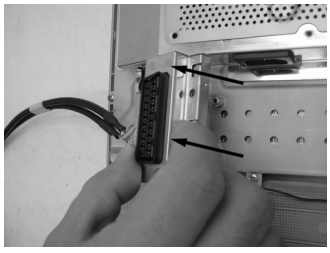
1. Place monitor face down on cushioned table. Remove 4 screws from grip on the stand and insert the opening jig into the grooves at each side and press until it clicks.

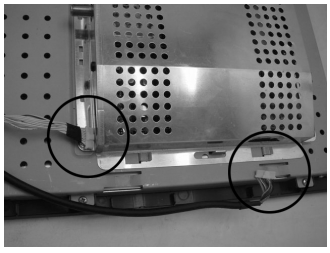
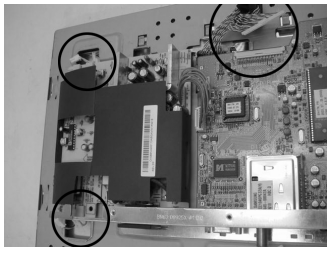



2. Remove rear cover from the monitor and remove 2 screws from the main shield.

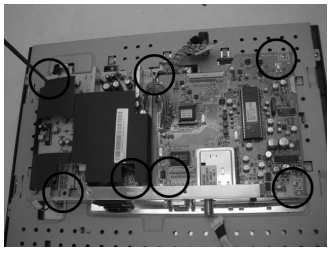
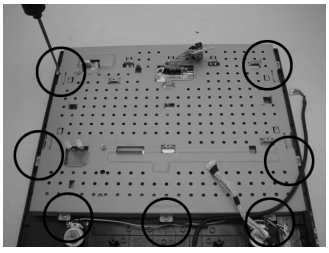



3. Remove 2 screws from the shield and disconnect scart cable. Lift up the start cable from the shield.

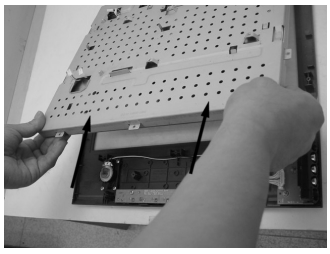
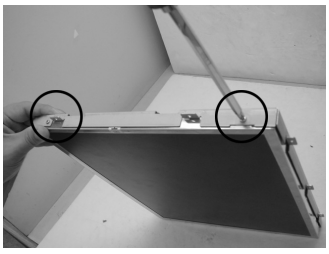


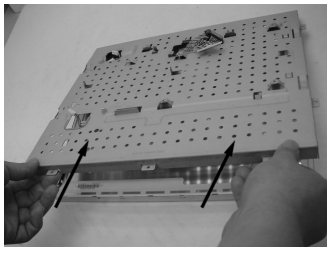
4. Disconnect speaker cable and function cable from the shield PCB and remove shield PCB. Disconnect inverter cables, LVDS cable from the MAIN board.

5. Remove 7 screws from the MAIN board and remove 7 screws from the panel shield. (MH15AS : Remove 6 screws from the MAIN board and remove 6 screws from the panel shield.)

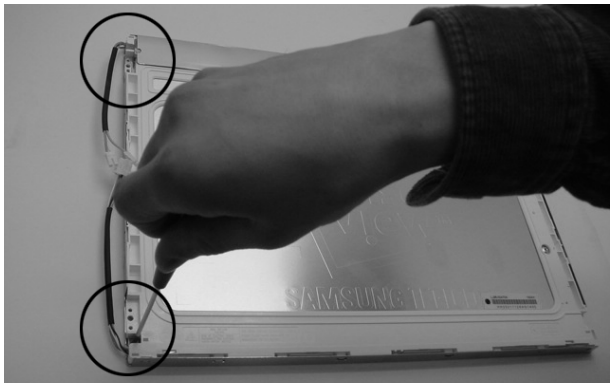
6. Remove the panel and remove 4 screws from the panel.



7. Remove shield from the panel.

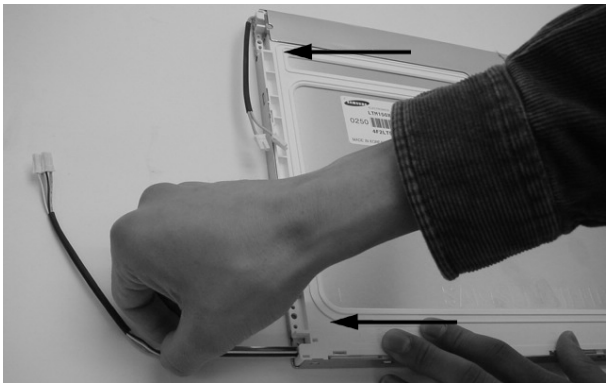
3-2 Replacement Order of Lamp Assemblies

1. After confirm there is nothing on the desk, turn the LCD module over and put it on a flat desk set to the ground.



2. Remove 2 screws for the lamp unit.

← Slide the lamp unit out.



← Slide the lamp unit out.

3. Slide the lamp unit out. Please take out the lamp units from the LCD module.

4. Please fix the new lamp units on the LCD module : opposite process 2 and 3.

3-3 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

Memo

4 Alignments and Adjustments

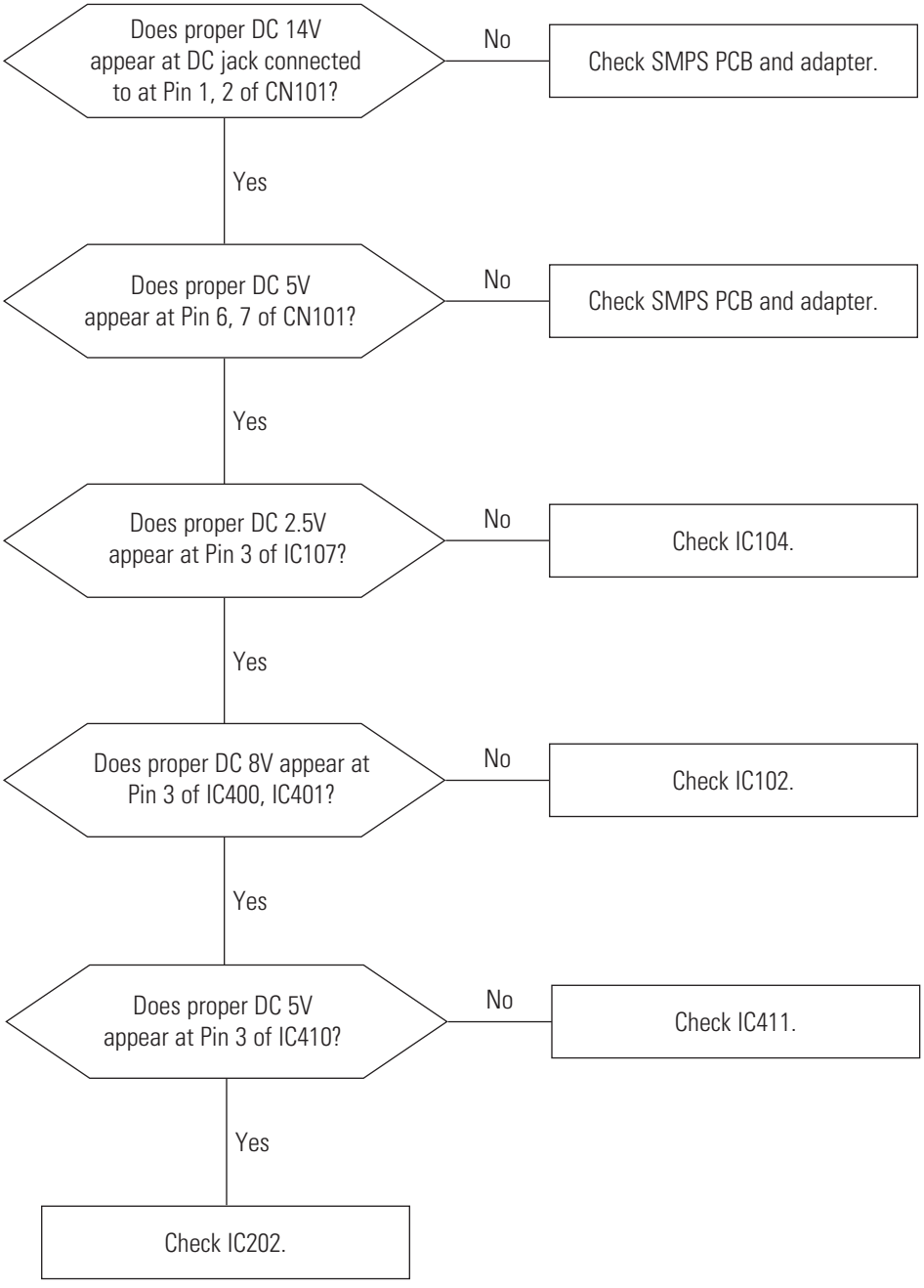
4-1 General Alignment Instuction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation.
   Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV.
   When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an DC power source with voltage and frequency as specified on
   the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on.
   Make sure that the power cord is disconnected before replacing any parts.
7. To protect aganist shock hazard, use an isolation transform.

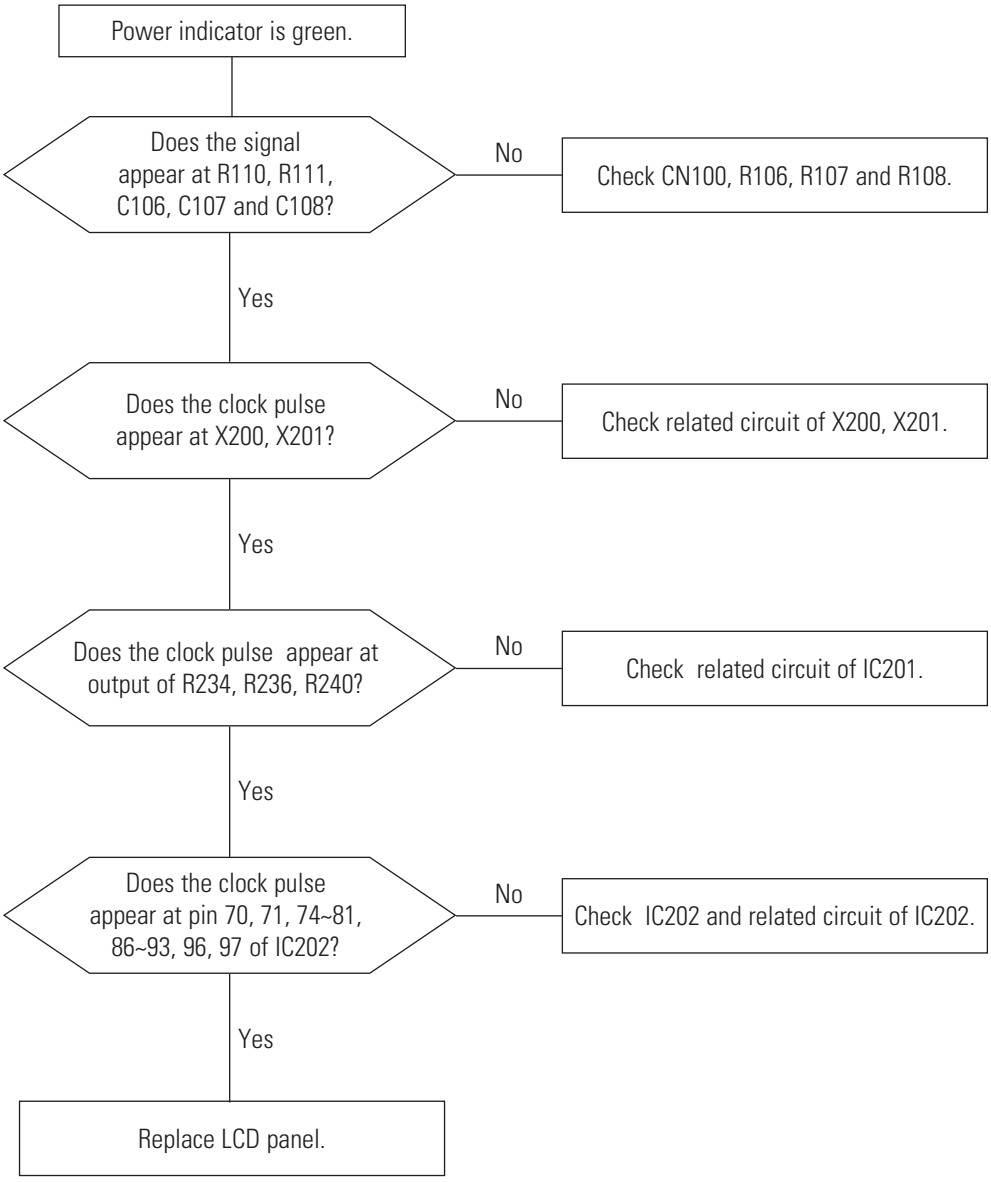
Memo

5 Troubleshooting

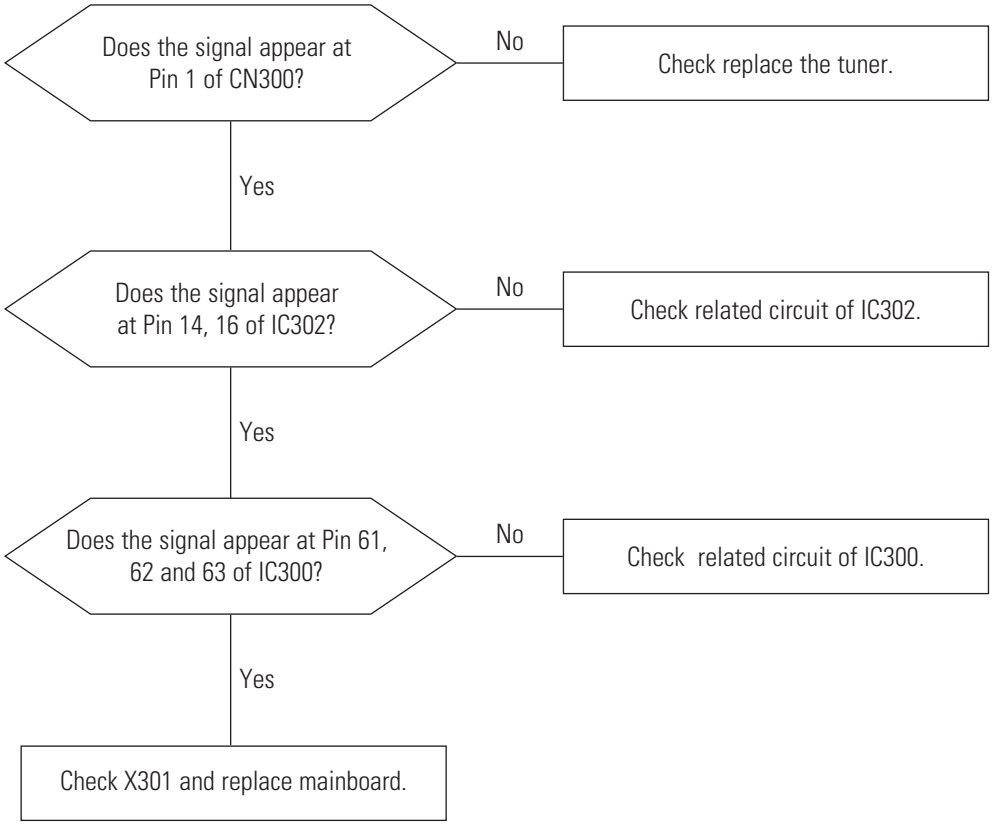
5-1 No Power


Does proper DC 14V appear at DC jack connected to at Pin 1, 2 of CN101?
No
Check SMPS PCB and adapter.
Yes
Does proper DC 5V appear at Pin 6, 7 of CN101?
No
Check SMPS PCB and adapter.
Yes
Does proper DC 2.5V appear at Pin 3 of IC107?
No
Check IC104.
Yes
Does proper DC 8V appear at Pin 3 of IC400, IC401?
No
Check IC102.
Yes
Does proper DC 5V appear at Pin 3 of IC410?
No
Check IC411.
Yes
Check IC202.

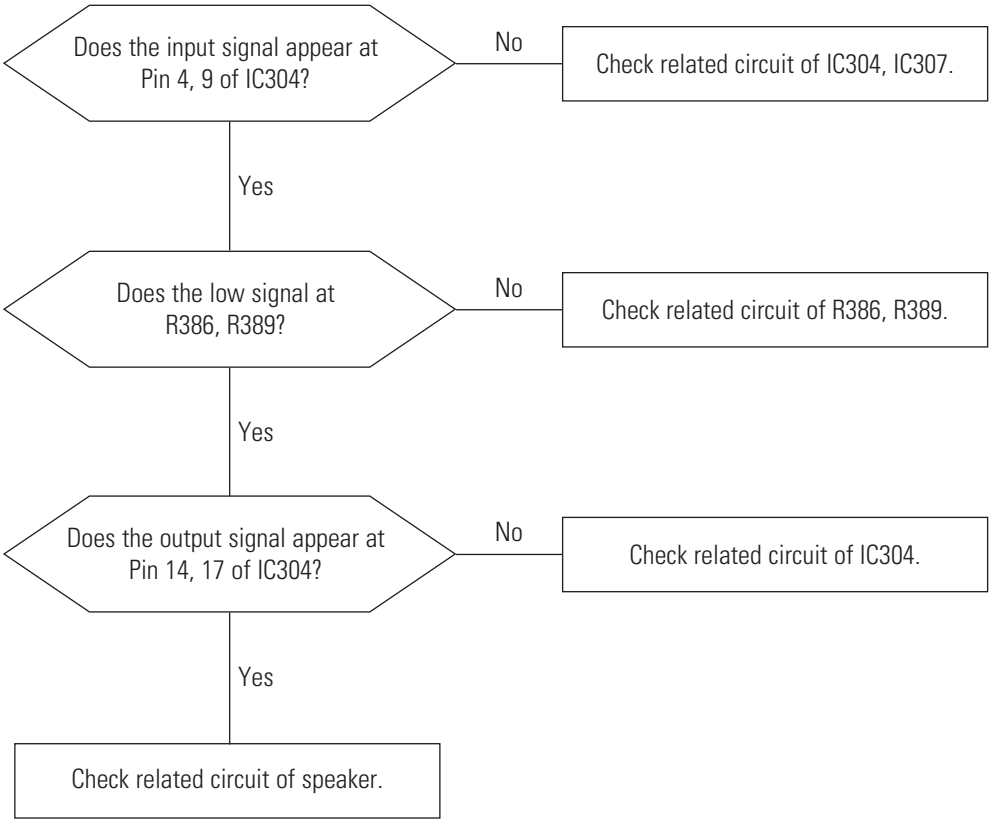
5-2 No Video (PC Signal)


Power indicator is green.
Does the signal appear at R110, R111, C106, C107 and C108?
No
Check CN100, R106, R107 and R108.
Yes
Does the clock pulse appear at X200, X201?
No
Check related circuit of X200, X201.
Yes
Does the clock pulse appear at output of R234, R236, R240?
No
Check related circuit of IC201.
Yes
Does the clock pulse appear at pin 70, 71, 74~81, 86~93, 96, 97 of IC202?
No
Check IC202 and related circuit of IC202.
Yes
Replace LCD panel.

5-3 No Picture (TV, Video 1, Video 2)


Does the signal appear at Pin 1 of CN300?
No
Check replace the tuner.
Yes
Does the signal appear at Pin 14, 16 of IC302?
No
Check related circuit of IC302.
Yes
Does the signal appear at Pin 61, 62 and 63 of IC300?
No
Check related circuit of IC300.
Yes
Check X301 and replace mainboard.

5-4 No Sound

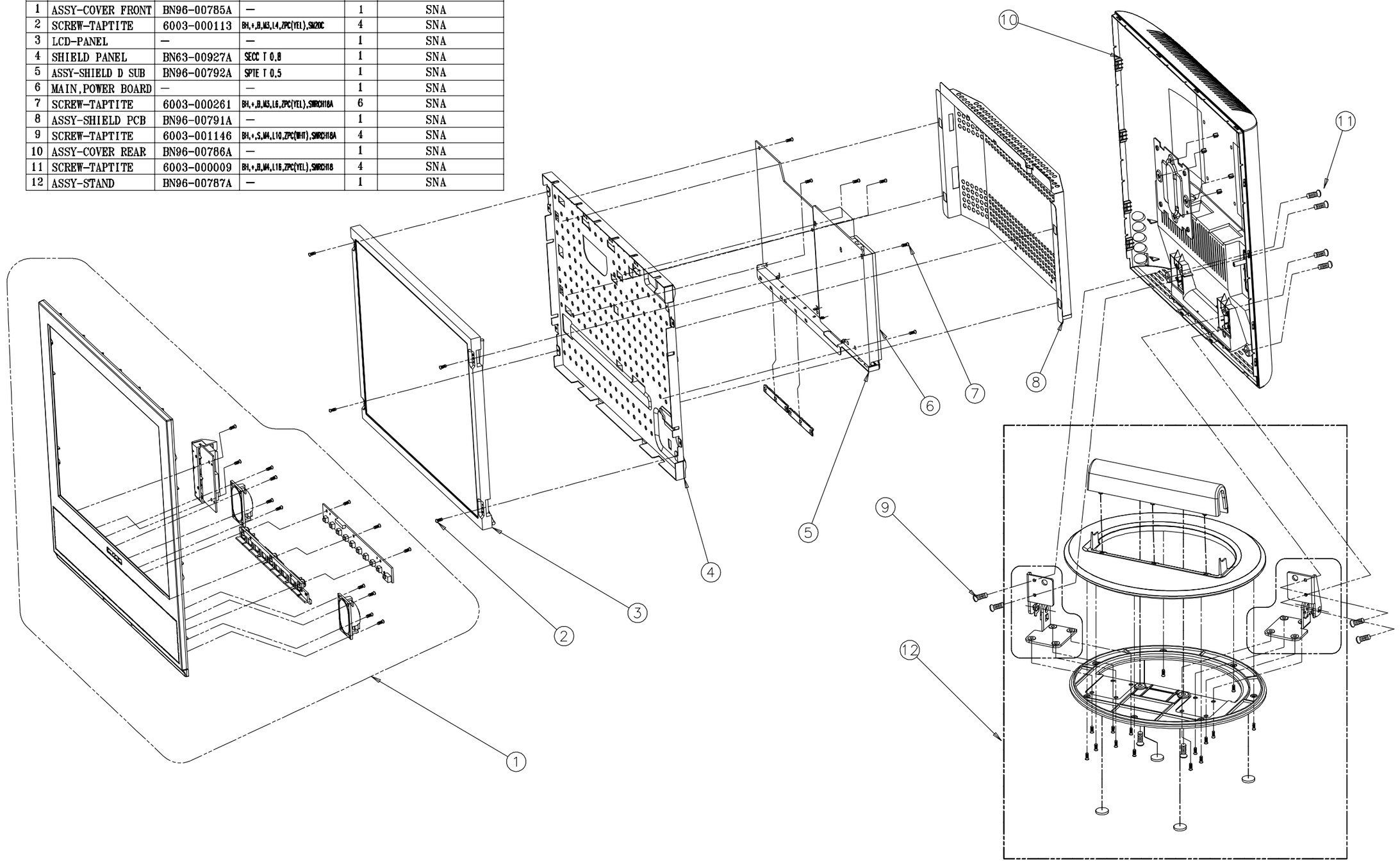

Does the input signal appear at Pin 4, 9 of IC304?
No
Check related circuit of IC304, IC307.
Yes
Does the low signal at R386, R389?
No
Check related circuit of R386, R389.
Yes
Does the output signal appear at Pin 14, 17 of IC304?
No
Check related circuit of IC304.
Yes
Check related circuit of speaker.

6 Exploded View and Parts List

❊ You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

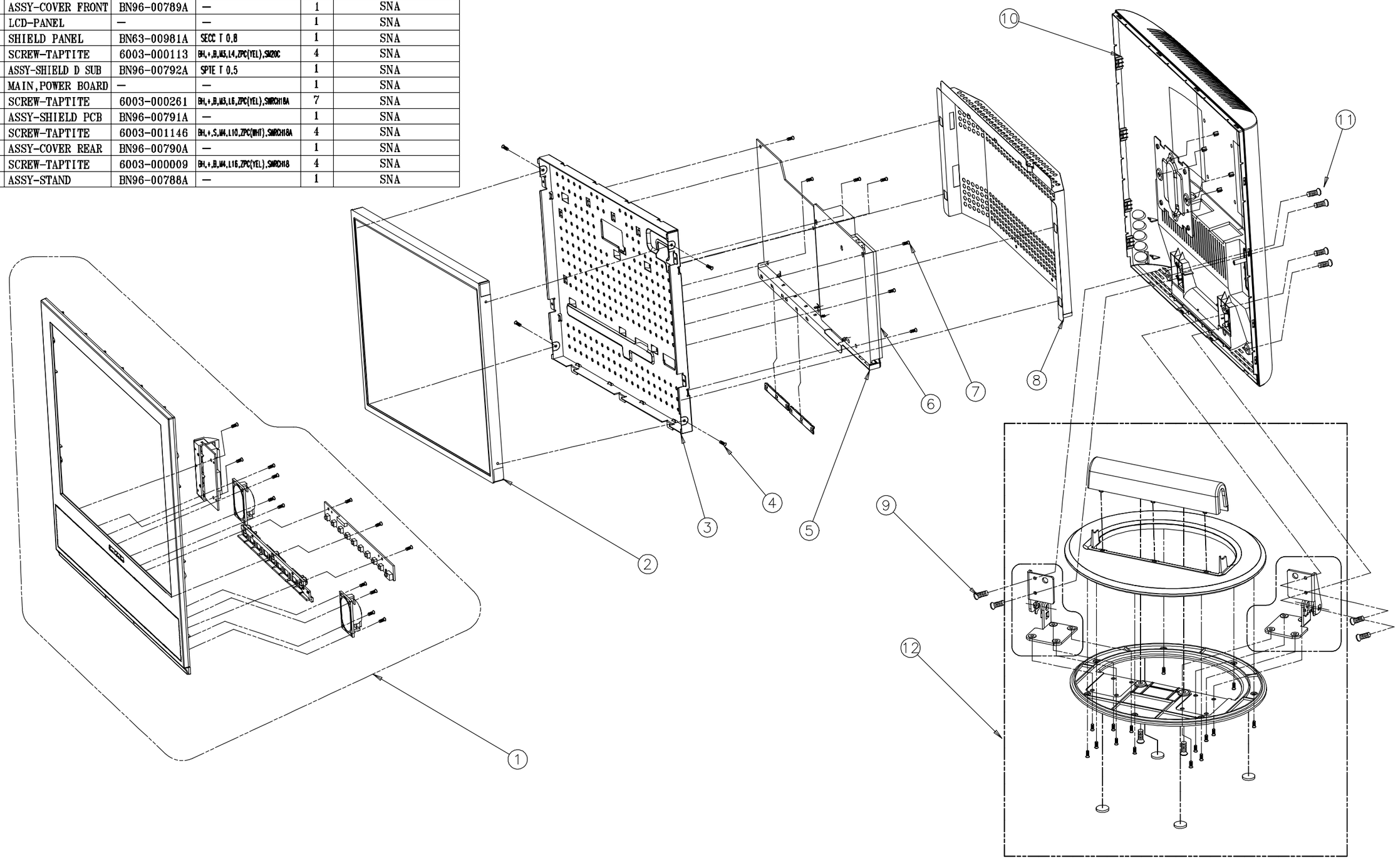
6-1 MH15AS

NO	PART NAME	CODE NO.	SPEC.	Q'TY	REMARK
1	ASSY-COVER FRONT	BN96-00785A	-	1	SNA
2	SCREW-TAPTITE	6003-000113	BH,+,B,M3,L4,ZPC(YEL),SWZ0C	4	SNA
3	LCD-PANEL	-	-	1	SNA
4	SHIELD PANEL	BN63-00927A	SECC T 0.8	1	SNA
5	ASSY-SHIELD D SUB	BN96-00792A	SPTE T 0.5	1	SNA
6	MAIN,POWER BOARD	-	-	1	SNA
7	SCREW-TAPTITE	6003-000261	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	6	SNA
8	ASSY-SHIELD PCB	BN96-00791A	-	1	SNA
9	SCREW-TAPTITE	6003-001146	BH,+,S,M4,L10,ZPC(WHT),SWRCH18A	4	SNA
10	ASSY-COVER REAR	BN96-00786A	-	1	SNA
11	SCREW-TAPTITE	6003-000009	BH,+,B,M4,L16,ZPC(YEL),SWRCH18	4	SNA
12	ASSY-STAND	BN96-00787A	-	1	SNA



6-2 MH17AS

NO	PART NAME	CODE NO.	SPEC.	Q'TY	REMARK
1	ASSY-COVER FRONT	BN96-00789A	-	1	SNA
2	LCD-PANEL	-	-	1	SNA
3	SHIELD PANEL	BN63-00981A	SECC T 0.8	1	SNA
4	SCREW-TAPTITE	6003-000113	BH,+,B,M5,L4,ZPC(YEL),SM20C	4	SNA
5	ASSY-SHIELD D SUB	BN96-00792A	SPTE T 0.5	1	SNA
6	MAIN,POWER BOARD	-	-	1	SNA
7	SCREW-TAPTITE	6003-000261	BH,+,B,M3,L6,ZPC(YEL),SMRCH18A	7	SNA
8	ASSY-SHIELD PCB	BN96-00791A	-	1	SNA
9	SCREW-TAPTITE	6003-001146	BH,+,S,M4,L10,ZPC(WHT),SMRCH18A	4	SNA
10	ASSY-COVER REAR	BN96-00790A	-	1	SNA
11	SCREW-TAPTITE	6003-000009	BH,+,B,M4,L16,ZPC(YEL),SMRCH18	4	SNA
12	ASSY-STAND	BN96-00788A	-	1	SNA



7 Electrical Parts List

-You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

7-1 MH15ASSS/XST

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		MH15ASSS/XST	510MP,MH15A,15,LCD-MO,THAILAND	0	
0.1	M0002	BN90-00556A	ASSY COVER REAR;MH15AS	1	S.N.A
..2	T0238	BN96-00786C	ASSY COVER P-REAR STAND;MH15AS,PAL,ABS H	1	
...3	M0003	BN96-00787A	ASSY STAND P;MH15AS/NS,ABS HB,BK07	1	
....4	CCM1	6001-001114	SCREW-MACHINE;FH,+,M4,L6,ZPC(BLK),SWRCH1	6	S.N.A
....4	M0081	6003-001010	SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC	5	S.N.A
....4	STD	BN61-00713A	BRACKET-STAND BOTTOM;1510MP,ZN-2 DIE CAS	1	S.N.A
....4	STD	BN63-00974A	COVER-STAND CAP;1510MP,ABS HB	1	S.N.A
....4	STD	BN63-00975A	COVER-STAND BASE;1510MP,ABS HB	1	S.N.A
....4	M0081	6003-001208	SCREW-TAPTITE;BH,+,S,M4,L12,ZPC(BLK),SWR	2	S.N.A
....4	M0142	BN61-00048A	FOOT-RUBBER;GH15LS,PORON,DIA 13.5MM,BLAC	4	S.N.A
....4	STD	BN96-01897A	ASSY HINGE P-RIGHT;MH15AS,SK5,T2.0	1	S.N.A
....4	STD	BN96-01898A	ASSY HINGE P-LEFT;MH15AS,SK5,T2.0	1	S.N.A
...3	M0013	BN96-00964C	ASSY COVER P-REAR;MH15AS,ABS HB,GR91	1	
....4	M0006	BN63-00924B	COVER-REAR;MH15,ABS,HB GR91	1	S.N.A
....4	C/R	BN63-01141A	FELT;MUSE15",FELT,1.0	1	S.N.A
....4	M0113	BN70-00176A	BRACKET-VESA;RB15AS,SECC,1	1	S.N.A
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,YEL,SWRCH18A	4	S.N.A
0.1	M0001	BN90-00629A	ASSY COVER FRONT;MH15AS	1	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	T0003	BN96-00785C	ASSY COVER P-FRONT;MH15AS,PAL,ABS HB,GR7	1	
...3	M0081	6003-000259	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	6	S.N.A
...3	M0081	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	5	S.N.A
...3	T0010	BN61-00728B	HOLDER-SUB PCB;ABS,MH15,HB BK07	1	S.N.A
...3	C/F	BN63-00870A	FELT;AS17UO,FELT,0.3,10,287	1	S.N.A
...3	M0112	BN63-00972B	COVER-FRONT;MH15,ABS,HB GR70,SV-012P	1	S.N.A
...3	T0057	BN64-00031A	BADGE-BRAND;RB15AS,AL,T1.4,6.3,40.1,SILI	1	S.N.A
...3	M0007	BN64-00210B	KNOB-FUNCTION;MH17NS,ABS,HB,GR70,SILVER	1	S.N.A
...3	C/F	BN67-00106A	LENS LED-IR;1510MP,Acryl	1	S.N.A
...3	T0175	BN96-00515A	ASSY SPEAKER P;8ohm,2W,60mm,LEFT	1	
...3	M0145	BN96-00813A	ASSY BOARD P-FUNCTION;MH15NS,FUNCTION AS	1	
...3	C/F	BN96-00814A	ASSY BOARD P-AV;MH15NS,AV board	1	S.N.A
...3	T0175	BN96-00836A	ASSY SPEAKER P;8 ohm,2W,280mm	1	
0.1	M0019	BN91-00349L	ASSY LCD;MH15AS	1	S.N.A
..2	M0019	BN07-00089A	LCD;TM150XG-26L10,CNS,6BIT FRC,15,16.1M,	1	
0.1	M0112	BN91-00724T	ASSY SHIELD;MH15AS	1	S.N.A
..2	M0081	6003-000259	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	4	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	3	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	2	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	3	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	2	S.N.A
..2	M0081	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	6	S.N.A
..2	M0162	6502-001070	CABLE CLAMP;DAMC-20,ID9.6,T10.0,NYLIN6/6	1	S.N.A
..2	M2893	BN39-00438A	LEAD CONNECTOR;MH15NS,UL1571#30,UL/CSA,2	1	
..2	M0896	BN96-00916A	ASSY BOARD P-SCART AV;MH15AS,scart av as	1	
..2	M0162	6502-000135	CABLE CLAMP;DAWS-2NA,ID10,-,NTR,NYLON66	1	
..2	M0125	BN63-00927B	SHIELD-PANEL;1510MP,SECC,T1.0	1	S.N.A
..2	T0081	BN96-00791B	ASSY MISC P-SHIELD PCB;MH15/17AS,PAL	1	S.N.A
...3	T0178	BN63-00926B	SHIELD-PCB;1510MP,SECC,T0.5,PAL	1	S.N.A
...3	CIS	BN63-01163A	SHIELD-PLATE;MH15NS,MH17NS,SECC,T1.0,##2	1	S.N.A
0.1	M0017	BN91-00769B	ASSY CHASSIS RH RJ;MH15AS	1	
..2	M0014	BN94-00512B	ASSY PCB MAIN RH RJ;MH15AS	1	
...3	T0089	1204-001583	IC-IF CIRCUIT;U4468B,DIP,16P,-,PLASTIC,5	1	
...3	IC304	1204-001833	IC-VOLUME CONTROL;TDA7496L,DIP,20P,-,PLA	1	
...3	C134	2409-001043	C-ORGANIC;47UF,20%,6.3V,WT,TP,6.3X6.8,2.	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	C457	2409-001043	C-ORGANIC;47UF,20%,6.3V,WT,TP,6.3X6.8,2.	1	
...3	L317	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L311	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L310	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L307	2701-000169	INDUCTOR-AXIAL;3.9UH,10%,2534	1	
...3	L318	2701-000210	INDUCTOR-AXIAL;680UH,10%,3070	1	
...3	FT309	2903-001240	FILTER-CERAMIC;TR,5.5MHz,-,28dB,-,TP,-	1	
...3	FT310	2903-001246	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,multi.	1	
...3	FT308	2904-001225	FILTER-SAW AV;38.9MHz,SIP5K,ST,15.7dB,L/	1	
...3	CN100	3701-001219	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	1	
...3	CN906	3711-004712	CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT,	1	
...3	CN906	3711-005505	CONNECTOR-HEADER;NOWALL,11P,1R,2.54mm,AN	1	
...3	CN301	3722-002081	JACK-EAR PHONE;5P/2C,-,SnPb,L-BLU,-	1	
...3	CIS3	AA40-00076A	TUNER;TECC0949PG35A(S),PAL,181CH,38.9MHZ	1	
...3	IC302	AB29-00002A	FILTER-IC COMB;-,TDA9181,-,-,ST,SMP-160,	1	
...3		BN97-00251E	ASSY SMD-SN;MH15AS	1	S.N.A
....4	D306	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D314	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D313	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D302	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D301	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D300	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D321	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D320	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D311	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D310	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D309	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D308	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D303	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D304	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D307	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D323	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D312	0403-001382	DIODE-ZENER;UDZ33B,32.15-33.79V,200MW,SO	1	
....4	D201	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	D200	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	Q309	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q308	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q307	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q306	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q305	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q310	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q315	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q314	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q313	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q312	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q311	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q304	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q105	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q104	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q103	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q102	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q201	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q303	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q302	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q301	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q300	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q210	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC100	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	IC106	1001-000191	IC-VIDEO SWITCH;NJM2248M,CMOS,SOP,8P,-,S	1	
....4	IC109	1003-001603	IC-LCD CONTROLLER;MST9041A,QFP,128P,20X1	1	
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	
....4	T0087	1203-001488	IC-POSI.FIXED REG.;7805,T0-252,3P,-,PLAS	1	
....4	T0087	1203-001488	IC-POSI.FIXED REG.;7805,T0-252,3P,-,PLAS	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-002411	IC-POSI.FIXED REG.;IRU1030-33CM,TO-263,3	1	
....4	T0087	1203-002450	IC-POSI.FIXED REG.;MC33375ST-2.5T3,SOT-2	1	
....4	T0087	1203-002853	IC-POSI.FIXED REG.;G960T45R,TO-252,3P,6.	1	
....4	R127	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R128	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R129	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R173	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R174	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R175	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R193	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R194	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R195	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R267	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R268	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R390	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R391	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R450	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R524	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R527	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R452	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	
....4	R335	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R337	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R340	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R341	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R342	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R343	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R367	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R371	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R317	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R320	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R321	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R322	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R323	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R328	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R333	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R334	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R383	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R502	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R503	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R504	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R505	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R506	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R507	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R509	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R393	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R394	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R396	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R397	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R476	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R478	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R479	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R501	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R252	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R224	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R225	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R226	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R230	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R231	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R232	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R233	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R234	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R111	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R112	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R138	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R200	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R221	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R222	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R223	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R244	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R245	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R246	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R247	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R248	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R249	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R250	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R251	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R238	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R239	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R243	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R242	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R241	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R240	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R312	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R311	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R228	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R382	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R386	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R389	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R453	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R454	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R455	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R380	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R113	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R144	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R149	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R152	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R156	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R365	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R533	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R532	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R346	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	
....4	R451	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R375	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R368	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R355	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R353	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R352	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R351	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R350	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R349	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R508	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R496	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R494	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R493	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R492	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R491	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R490	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R489	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R488	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R210	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R209	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R208	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R207	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R205	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R204	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R203	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R176	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R135	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R316	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R309	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R305	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R220	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R219	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R218	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R214	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R213	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R211	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R480	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	1	
....4	R357	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R360	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R362	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R363	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R370	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R458	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R459	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R512	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R130	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R136	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R148	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R151	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R155	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R306	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R271	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R217	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R202	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R522	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R482	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R481	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R373	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R300	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R517	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R534	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R347	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R366	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R374	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R377	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R598	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R599	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R399	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R301	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R473	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R472	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R471	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R470	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R469	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R500	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R499	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R498	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R497	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R474	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R387	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R381	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R379	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R378	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R358	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R409	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R404	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R403	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R392	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R388	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R153	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R154	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R376	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R405	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R483	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R150	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R142	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R143	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R145	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R146	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R147	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R348	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R229	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R256	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	
....4	R325	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	
....4	R475	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R356	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	1	
....4	R461	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R303	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R302	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R215	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R131	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R114	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R307	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	1	
....4	R339	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	
....4	R364	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	
....4	R361	2007-000132	R-CHIP;180Kohm,5%,1/10W,TP,1608	1	
....4	R137	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	
....4	R108	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R107	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R106	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R100	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R101	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R102	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R327	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R487	2007-000799	R-CHIP;360ohm,5%,1/10W,TP,1608	1	
....4	R385	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	
....4	R384	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	
....4	R304	2007-001161	R-CHIP;75Kohm,5%,1/10W,TP,1608	1	
....4	R123	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R121	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R120	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R103	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R104	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R105	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R119	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R118	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R110	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R227	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R308	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R326	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R338	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R400	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R401	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R402	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R477	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R518	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R519	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R520	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R521	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R528	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R529	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	C328	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C329	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C330	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C398	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C170	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C231	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C232	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C233	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C234	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C236	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C239	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C353	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C354	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C381	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C382	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C411	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C413	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C415	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C417	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C456	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C464	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C473	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C474	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C358	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C363	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C399	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C401	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C109	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C173	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C321	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C331	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C347	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	
....4	C374	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C400	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C439	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C373	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C278	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C279	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C335	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C345	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C325	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	
....4	C338	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	
....4	C121	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C120	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C119	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C207	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C206	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C205	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C204	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C378	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C377	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C111	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C126	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C314	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C315	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C372	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C460	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C370	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C348	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C340	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C323	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C122	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C123	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C124	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C115	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C114	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C113	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C403	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C238	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C237	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C339	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	1	
....4	C344	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C324	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C304	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C125	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	
....4	C112	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	
....4	C455	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C375	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C371	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C318	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C302	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C130	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C129	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C128	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C394	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C346	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,1608	1	
....4	C100	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C102	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C106	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C107	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C131	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C136	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C138	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C200	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C201	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C203	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C208	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C209	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C210	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C211	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C213	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C214	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C215	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C216	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C217	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C218	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C219	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C220	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C223	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C224	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C225	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C226	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C227	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C228	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C230	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C301	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C303	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C305	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C307	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C310	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C317	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C333	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C336	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C341	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C343	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C350	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C357	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C359	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C361	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C365	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C368	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C369	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C386	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C432	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C433	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C434	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C435	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C436	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C437	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C438	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C452	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C454	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C448	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C141	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C140	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C135	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C229	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C222	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C221	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C212	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C110	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C132	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C202	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C327	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C334	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C428	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C429	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C337	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C364	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C367	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C316	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C383	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C384	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C424	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C425	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C426	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C427	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C466	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C467	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C472	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C351	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C352	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C423	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C461	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C462	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C463	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C235	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C342	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C422	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C380	2402-000209	C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1	1	
....4	C306	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C311	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C320	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C332	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C379	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C402	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C418	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C419	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C420	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C376	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	C366	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	C362	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	X201	2801-003667	CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16,	1	
....4	X300	2801-003773	CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH	1	
....4	X200	2801-003773	CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH	1	
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	CN906	3711-005471	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005471	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005472	CONNECTOR-HEADER;BOX,20P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005472	CONNECTOR-HEADER;BOX,20P,1R,1.25mm,SMD-A	1	
....4	R531	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R530	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R515	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R514	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R513	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R124	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	R125	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	R126	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	1	S.N.A
....4	M0018	BN97-00348P	ASSY MICOM;MH15AS,W/W	1	
.....5	IC520	0903-001326	IC-MICROCONTROLLER;NT68F632L,8BIT,PLCC,4	1	S.N.A
....4	D322	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D108	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D107	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D106	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D105	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D104	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D103	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	R319	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	R332	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	R345	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	C133	2402-000253	C-AL,SMD;22uF,20%,35V,GP,TP,5x5.4mm,1.5	1	
....4	C308	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C326	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C430	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C458	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	
....4	R369	2007-001093	R-CHIP;620ohm,5%,1/10W,TP,1608	1	
....4	R468	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	
....4	C319	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C999	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,1608,-	1	
....4	T0077	BN41-00396E	PCB MAIN;MH15AS,FR4,4,1.6,Manet PAL	1	S.N.A
....4	CIS5	0202-001375	SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36.	2.68	S.N.A
...3	M0018	BN97-00338Z	ASSY MICOM;MH15AS	1	
....4	T0119	AA09-00472A	IC MICOM;TDA9351PS/N3-OTP,KS9A,64,3.3V,1	1	
...3	FT303	2904-001070	FILTER-SAW AV;38.9MHz,SIP5K,TP,14.6dB,42	1	
...3	TUNER_PCB	BN41-00392A	PCB SUB;KD17AS,FR4,2L,MP1.0,1.6T,54*13	1	S.N.A
...3	T0245	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	0.01	S.N.A
..2	M0123	BN96-00792A	ASSY MISC P-SHIELD D SUB;MH15/17AS,SPTE	1	S.N.A
...3	M0108	BN63-00925A	SHIELD-D SUB;1510MP,SPTE,T0.5	1	S.N.A
...3	M0131	BN63-00792A	GASKET;NB21BS,Conductive Fabric,2mm,10mm	1	S.N.A
..2	T0764	BN96-01098A	ASSY MISC P-SMPS;U07-1346-L010/A07-20,11	1	
0.1	M0113	BN92-00964B	ASSY P/MATERIAL;MH15NS*/MH15AS*	1	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.02	S.N.A
..2	T0524	6902-000521	BAG PE;HDPE/NITRON/HDPE,T0.015/T0.5/T0.0	1	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3	S.N.A
0.1	M0019	BN92-00971Z	ASSY LABEL;MH15AS	1	S.N.A
0.1	M0003	BN92-01016V	ASSY BOX;MH15ASSS/XSE,SEIN,INDONESIA	1	S.N.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0120	BH75-10529A	UNIT-HANDLE PACKING;LXA410TLMU,PE,-,WHIT	1	S.N.A
...3	M0103	BN72-60001A	LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD	1	S.N.A
...3	M0102	BN72-60002A	LEVER-BOTTOM;LSD210TL,PE-LD,WHITE,TFT-LC	1	S.N.A
..2	BOX	BN69-00670B	BOX-03;S/M510MP(MH15NS/AS),CB-SW4,YEL,A-	1.01	S.N.A
0.1	M0045	BN92-01255L	ASSY ACCESSORY;NEW	1	S.N.A
..2	T0074	BN59-00403A	REMOCON;MH15/17AS,TM75,36,TTX,EX,PAL,MON	1	
..2	M0045	BN96-00645T	ASSY ACCESSORY;MH15ASSS/EDC,EDC,NETHERLA	1	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	1	S.N.A
...3	T0128	BN39-00061B	CBF SIGNAL-STEREO;MH15NS,1P,UL2851#26,20	1	
...3	M0114	BN39-00244A	CBF SIGNAL;BU15AO(T541A),15P/15P,20276-N	1	
...3	T0268	3903-000042	CBF-POWER CORD;DT,EU,FP3/YES,IEC320 C13/	1	
..2	M0045	BN96-01695R	ASSY ACCESSORY;MH17WSSS/XST,TSE,THAILAND	1	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	1	S.N.A
...3	ACCESSORY	BN68-00774B	MANUAL-PRC CARD;THAILAND PRC CARD,ENG,TH	1	S.N.A
...3	M0215	BN96-00832D	ASSY MANUAL P-IB+QSG;510MP,710MP,SyncMas	1	S.N.A
....4	CIS	BH68-00376L	MANUAL-04;LCDQUICK SETUP GUIDE,SYNCMASTE	1	S.N.A
....4	CIS	BN59-00390D	S/W DRIVER-07,IB;510MP,710MP,EDC,SyncMas	1	S.N.A
..2	CIS	BN68-00786J	MANUAL-QSG;STAND INSTALL MANUAL,SYNCMAST	1	S.N.A

7-2 MH17ASSS/XST

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		MH17ASSS/XST	710MP,MH17A,17,LCD-MO,THAILAND	0	
0.1	M0002	BN90-00520A	ASSY COVER REAR;MH17AS	1	S.N.A
..2	T0238	BN96-00790C	ASSY COVER P-REAR STAND;MH17AS,ABS HB,GR	1	
...3	M0003	BN96-00788A	ASSY STAND P;MH17AS/NS,ABS HB,BK07	1	
....4	CCM1	6001-001114	SCREW-MACHINE;FH,+,M4,L6,ZPC(BLK),SWRCH1	6	S.N.A
....4	M0081	6003-001010	SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC	5	S.N.A
....4	MP1.4	BN61-00719A	BRACKET-BOTTOM;1710MP,ZN-2 DIE CAST	1	S.N.A
....4	STD	BN63-00978A	COVER-STAND CAP;1710MP,ABS HB	1	S.N.A
....4	STD	BN63-00979A	COVER-STAND BASE;1710MP,ABS HB	1	S.N.A
....4	M0142	BN61-00048A	FOOT-RUBBER;GH15LS,PORON,DIA 13.5MM,BLAC	6	S.N.A
....4	STD	BN96-01899A	ASSY HINGE P-RIGHT;MH17AS,SK5,T2.0	1	S.N.A
....4	STD	BN96-01900A	ASSY HINGE P-LEFT;MH17AS,SK5,T2.0	1	S.N.A
....4	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M0013	BN96-00965C	ASSY COVER P-REAR;MH17AS,ABS HB,GR91	1	
....4	M0006	BN63-00977B	COVER-REAR;MH17NS,ABS,HB GR91	1	S.N.A
....4	C/R	BN63-01141A	FELT;MUSE15",FELT,1.0	1	S.N.A
....4	M0113	BN70-00176A	BRACKET-VESA;RB15AS,SECC,1	1	S.N.A
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,B,M4,L10,YEL,SWRCH18A	4	S.N.A
0.1	M0001	BN90-00646Q	ASSY COVER FRONT;MH17ASSS/*,TCO03	1	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	T0003	BN96-00789F	ASSY COVER P-FRONT;MH17AS/NS,ABS HB,GR70	1	
...3	M0081	6003-000259	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	8	S.N.A
...3	M0081	6003-000276	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(YEL),SWC	5	S.N.A
...3	T0010	BN61-00737B	HOLDER-SUB PCB;ABS,MH17NS,HB BK07	1	S.N.A
...3	C/F	BN63-00870A	FELT;AS17UO,FELT,0.3,10,287	1	S.N.A
...3	M0112	BN63-00976B	COVER-FRONT;MH17NS,ABS,HB GR70,SILVER	1	S.N.A
...3	T0057	BN64-00031A	BADGE-BRAND;RB15AS,AL,T1.4,6.3,40.1,SILI	1	S.N.A
...3	M0007	BN64-00210B	KNOB-FUNCTION;MH17NS,ABS,HB,GR70,SILVER	1	S.N.A
...3	C/F	BN67-00106A	LENS LED-IR;1510MP,Acryl	1	S.N.A
...3	T0175	BN96-00515A	ASSY SPEAKER P;8ohm,2W,60mm,LEFT	1	
...3	M0145	BN96-00813A	ASSY BOARD P-FUNCTION;MH15NS,FUNCTION AS	1	
...3	C/F	BN96-00814A	ASSY BOARD P-AV;MH15NS,AV board	1	S.N.A
...3	T0175	BN96-00815A	ASSY SPEAKER P;8 ohm,2 W,330 mm	1	
0.1	M0106	BN91-00407Q	ASSY LCD-STZ;MJ17AS	1	S.N.A
..2	M0215	BN07-00189B	LCD-PANEL;LTM170EU-L11,GY,6BIT,358.5*296	1	
0.1	M0112	BN91-00802B	ASSY SHIELD;MH17*,EU-L11	1	S.N.A
..2	M0081	6003-000259	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	7	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	4	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	3	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	2	S.N.A
..2	M0081	6003-000261	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(YEL),SWRC	2	S.N.A
..2	M0081	6003-000269	SCREW-TAPTITE;BH,+,-,S,M3,L6,ZPC(YEL),SW	4	S.N.A
..2	M0162	6502-000135	CABLE CLAMP;DAWS-2NA,ID10,-,NTR,NYLON66	1	
..2	M0162	6502-001070	CABLE CLAMP;DAMC-20,ID9.6,T10.0,NYLIN6/6	1	S.N.A
..2	M0237	BN39-00498A	HARNESS CONNECT-LVDS;GY17HS,UL/CSA,UL157	1	
..2	M0125	BN63-00981B	SHIELD-PANEL;1710MP,SECC,T1.0	1	S.N.A
..2	T0081	BN96-00791B	ASSY MISC P-SHIELD PCB;MH15/17AS,PAL	1	S.N.A
...3	T0178	BN63-00926B	SHIELD-PCB;1510MP,SECC,T0.5,PAL	1	S.N.A
...3	CIS	BN63-01163A	SHIELD-PLATE;MH15NS,MH17NS,SECC,T1.0,##2	1	S.N.A
..2	M0896	BN96-00916A	ASSY BOARD P-SCART AV;MH15AS,scart av as	1	
0.1	M0017	BN91-00814Y	ASSY CHASSIS;MH17AS	1	
..2	M0174	BN44-00110A	IP BOARD;FSP048-2PI02,17MFM,50KHZ,4,110V	1	
..2	M0014	BN94-00613P	ASSY PCB MAIN;MH17AS	1	
...3	T0245	0202-001366	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb,	0.001	S.N.A
...3	T0089	1204-001583	IC-IF CIRCUIT;U4468B,DIP,16P,-,PLASTIC,5	1	
...3	IC304	1204-001833	IC-VOLUME CONTROL;TDA7496L,DIP,20P,-,PLA	1	
...3	C134	2409-001043	C-ORGANIC;47UF,20%,6.3V,WT,TP,6.3X6.8,2.	1	
...3	C457	2409-001043	C-ORGANIC;47UF,20%,6.3V,WT,TP,6.3X6.8,2.	1	
...3	L310	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L311	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L317	2701-000157	INDUCTOR-AXIAL;220UH,5%,2534	1	
...3	L307	2701-000169	INDUCTOR-AXIAL;3.9UH,10%,2534	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	L318	2701-000210	INDUCTOR-AXIAL;680UH,10%,3070	1	
...3	FT309	2903-001240	FILTER-CERAMIC;TR,5.5MHz,-,28dB,-,TP,-	1	
...3	FT310	2903-001246	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,multi.	1	
...3	FT303	2904-001070	FILTER-SAW AV;38.9MHz,SIP5K,TP,14.6dB,42	1	
...3	FT308	2904-001225	FILTER-SAW AV;38.9MHz,SIP5K,ST,15.7dB,L/	1	
...3	CN100	3701-001219	CONNECTOR-DSUB;15P,3R,FEMALE,ANGLE,AUF	1	
...3	CN906	3711-004712	CONNECTOR-HEADER;BOX,9P,1R,2mm,STRAIGHT,	1	
...3	CN906	3711-005505	CONNECTOR-HEADER;NOWALL,11P,1R,2.54mm,AN	1	
...3	CN301	3722-002081	JACK-EAR PHONE;5P/2C,-,SnPb,L-BLU,-	1	
...3	CIS3	AA40-00076A	TUNER;TECC0949PG35A(S),PAL,181CH,38.9MHZ	1	
...3	IC302	AB29-00002A	FILTER-IC COMB;-,TDA9181,-,-,ST,SMP-160,	1	
...3	TUNER_PCB	BN41-00392A	PCB SUB;KD17AS,FR4,2L,MP1.0,1.6T,54*13	1	S.N.A
...3	M0018	BN97-00338Z	ASSY MICOM;MH15AS	1	
....4	T0119	AA09-00472A	IC MICOM;TDA9351PS/N3-OTP,KS9A,64,3.3V,1	1	
...3	T0174	BN97-00446F	ASSY SMD;MH17AS	1	S.N.A
....4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D306	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200MA,SO	1	
....4	D300	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D301	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D302	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D313	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D314	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	1	
....4	D320	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D321	0402-000553	DIODE-RECTIFIER;SS24,40V,2.0A,DO-214AA	1	
....4	D103	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D104	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D105	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D106	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D107	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D108	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D322	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225MW,SOT-2	1	
....4	D303	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D304	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D307	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D308	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D309	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D310	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D311	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D323	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200MW,SOT-2	1	
....4	D312	0403-001382	DIODE-ZENER;UDZ33B,32.15-33.79V,200MW,SO	1	
....4	D200	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	D201	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q102	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q103	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q104	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q105	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q110	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q201	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q210	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q300	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q301	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q302	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q303	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q304	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q305	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q306	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q307	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q308	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q309	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q310	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q311	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q312	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q313	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q314	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	Q315	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC104	0801-002404	IC-CMOS LOGIC;74VHC4066,ANALOG SWITCH,SO	1	
....4	IC100	0803-000117	IC-TTL;74F14,INVERTER,SOP,14P,150MIL,	1	
....4	IC106	1001-000191	IC-VIDEO SWITCH;NJM2248M,CMOS,SOP,8P,-,S	1	
....4	IC109	1003-001627	IC-LCD CONTROLLER;MST9141,QFP,128P,20x14	1	
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	
....4	T0087	1203-001488	IC-POSI.FIXED REG.;7805,T0-252,3P,-,PLAS	1	
....4	T0087	1203-001488	IC-POSI.FIXED REG.;7805,T0-252,3P,-,PLAS	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	
....4	T0087	1203-002450	IC-POSI.FIXED REG.;MC33375ST-2.5T3,SOT-2	1	
....4	T0087	1203-002853	IC-POSI.FIXED REG.;G960T45R,TO-252,3P,6.	1	
....4	R127	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R128	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R129	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R173	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R174	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R175	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R193	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R194	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R195	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R267	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R268	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R390	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R391	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R450	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R524	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R536	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	
....4	R452	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	
....4	R308	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	R326	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	R338	2007-000073	R-CHIP;91ohm,5%,1/10W,TP,1608	1	
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R111	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R112	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R138	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R200	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R221	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R222	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R223	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R224	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R225	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R226	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R230	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R231	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R232	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R233	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R234	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R238	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R239	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R240	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R241	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R242	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R243	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R244	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R245	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R246	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R247	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R248	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R249	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R250	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R251	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R252	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R311	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R312	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R317	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R320	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R321	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R322	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R323	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R328	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R333	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R334	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R335	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R337	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R340	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R341	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R342	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R343	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R367	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R371	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R383	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R393	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R394	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R396	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R397	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R476	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R478	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R479	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R501	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R502	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R503	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R504	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R505	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R506	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R507	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R509	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	
....4	R530	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R531	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	
....4	R228	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	
....4	R113	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R144	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R149	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R152	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R156	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R199	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R365	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R380	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R382	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R386	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R389	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R453	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R454	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R455	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R527	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R535	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	
....4	R346	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	
....4	R135	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R203	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R204	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R205	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R207	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R209	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R210	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R211	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R213	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R214	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R218	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R219	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R220	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R305	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R309	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R316	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R349	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R350	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R351	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R352	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R353	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R355	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R368	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R375	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R451	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R488	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R489	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R490	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R491	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R492	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R493	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R494	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R496	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R508	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	
....4	R480	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	1	
....4	R130	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R136	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R137	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R148	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R151	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R155	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R202	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R208	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R217	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R271	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R306	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R357	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R360	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R362	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R363	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R370	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R458	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R459	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R512	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R522	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	
....4	R300	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R373	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R481	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R482	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R517	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R534	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	
....4	R347	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R366	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R374	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R377	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R598	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R599	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	
....4	R301	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R399	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	
....4	R358	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R378	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R379	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R381	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R387	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R388	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R392	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R403	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R404	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R409	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R469	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R470	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R471	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R472	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R473	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R474	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R497	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R498	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R499	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R500	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	
....4	R142	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R143	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R145	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R146	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R147	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R150	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R153	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R154	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R376	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R405	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R483	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	
....4	R229	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R348	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	
....4	R256	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	
....4	R325	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	
....4	R475	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	
....4	R356	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	1	
....4	R114	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R131	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R215	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R302	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R303	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R461	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	
....4	R307	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	1	
....4	R339	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	
....4	R364	2007-000130	R-CHIP;39Kohm,5%,1/10W,TP,1608	1	
....4	R361	2007-000132	R-CHIP;180Kohm,5%,1/10W,TP,1608	1	
....4	R100	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R101	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R102	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R106	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R107	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R108	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	
....4	R327	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	
....4	R319	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	R332	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	R345	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	
....4	R487	2007-000799	R-CHIP;360ohm,5%,1/10W,TP,1608	1	
....4	R384	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	
....4	R385	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	
....4	R513	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R514	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R515	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	
....4	R468	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	
....4	R369	2007-001093	R-CHIP;620ohm,5%,1/10W,TP,1608	1	
....4	R304	2007-001161	R-CHIP;75Kohm,5%,1/10W,TP,1608	1	
....4	R103	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R104	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R105	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R110	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R118	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R119	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R120	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R121	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R123	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	
....4	R124	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R125	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R126	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R227	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R400	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R401	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R402	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R477	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R518	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R519	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R520	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R521	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R528	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	R529	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	
....4	C328	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C329	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C330	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C398	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	
....4	C231	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C232	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C233	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C234	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C236	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C239	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C353	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C354	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C381	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C382	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C411	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C413	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C415	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C417	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C456	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C464	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C468	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C474	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	
....4	C109	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C321	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C331	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C358	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C363	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C399	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C401	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	
....4	C347	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	
....4	C278	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C279	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C335	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C345	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C373	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C374	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C400	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C439	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	
....4	C325	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	
....4	C338	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	1	
....4	C119	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C120	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C121	2203-000552	C-CER,CHIP;0.02NF,5%,50V,C0G,TP,1608	1	
....4	C204	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C205	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C206	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C207	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	
....4	C377	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	
....4	C378	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C111	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C126	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C314	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C315	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C372	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C460	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	
....4	C323	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C340	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C348	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C370	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	
....4	C113	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C114	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C115	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C122	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C123	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C124	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,TP,1608	1	
....4	C237	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C238	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C403	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	
....4	C339	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	1	
....4	C304	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C324	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C344	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C112	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	
....4	C125	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	1	
....4	C371	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C375	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C455	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C128	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C129	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C130	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C302	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C318	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	
....4	C394	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	1	
....4	C346	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,1608	1	
....4	C100	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C102	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C106	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C107	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C131	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C136	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C138	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C200	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C201	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C203	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C208	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C209	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C210	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C211	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C213	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C214	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C215	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C216	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C217	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C218	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C219	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C220	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C223	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C224	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C225	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C226	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C227	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C228	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C230	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C301	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C303	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C305	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C307	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C310	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C317	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C333	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C336	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C341	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C343	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C350	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C357	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C359	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C361	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C365	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C368	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C369	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C386	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C432	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C433	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C434	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C435	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C436	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C437	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C438	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C452	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C454	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	
....4	C448	2203-005015	C-CER,CHIP;150nF,+80-20%,16V,Y5V,TP,1608	1	
....4	C135	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C140	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C141	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	
....4	C319	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	1	
....4	C110	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C132	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C199	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C202	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C212	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C221	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C222	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C229	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,TP,32	1	
....4	C327	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C334	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C428	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C429	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.4	1	
....4	C337	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C364	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C367	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	
....4	C316	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C383	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C384	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C424	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C425	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C426	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C427	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C466	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C467	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C472	2402-000173	C-AL,SMD;4.7uF,20%,35V,GP,TP,4.3x4.3x5.4	1	
....4	C351	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C352	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C423	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C461	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C462	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C463	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	
....4	C235	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C342	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C422	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C380	2402-000209	C-AL,SMD;22uF,20%,16V,WT,TP,5.3x5.3mm,1	1	
....4	C133	2402-000253	C-AL,SMD;22uF,20%,35V,GP,TP,5x5.4mm,1.5	1	

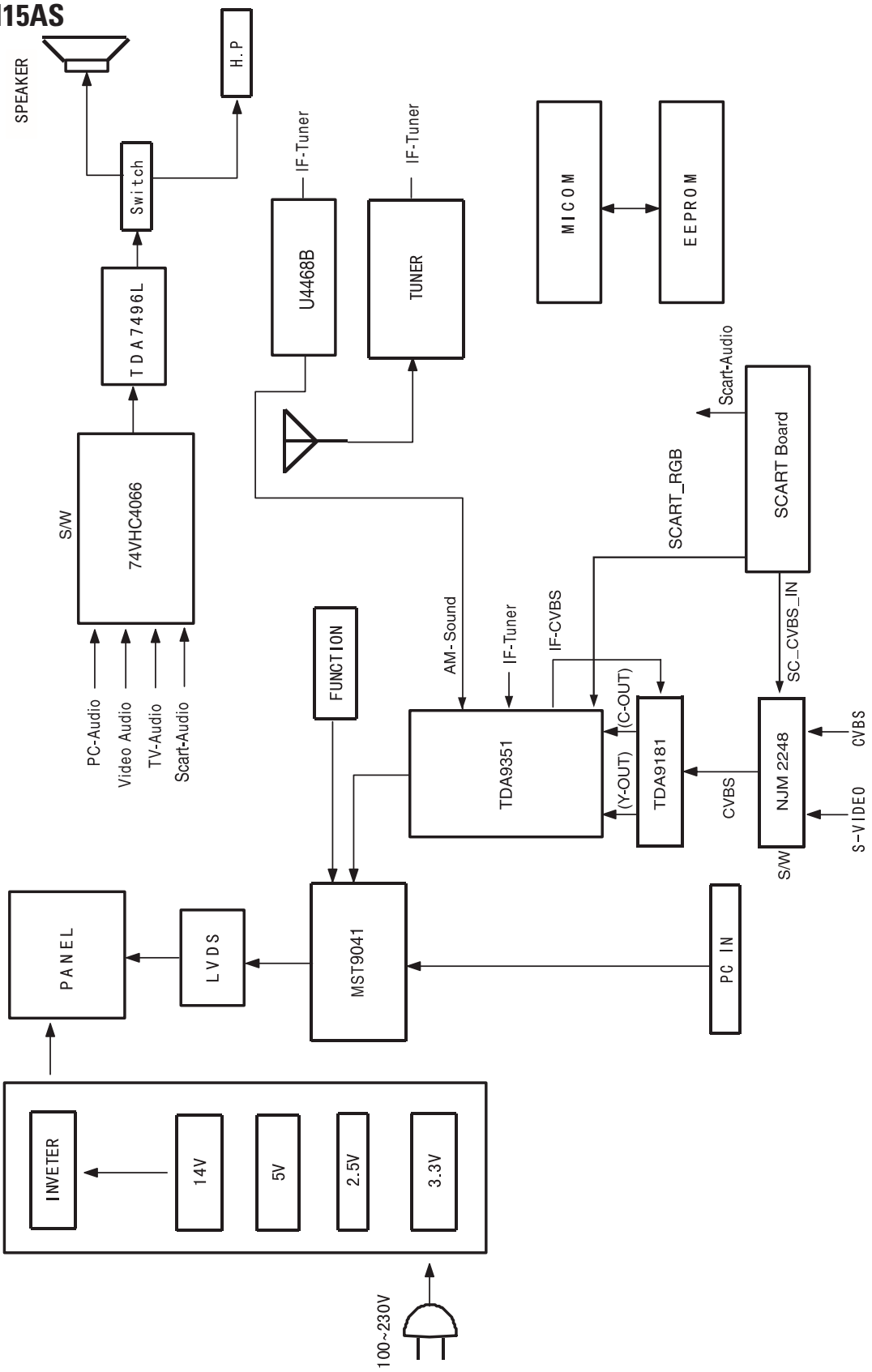
Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C308	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C326	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C430	2402-001019	C-AL,SMD;2.2uF,20%,35V,GP,TP,3.3x3.3x5.	1	
....4	C306	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C311	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C320	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C332	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C379	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C402	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C418	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C419	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C420	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	
....4	C458	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	
....4	C362	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	C366	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	C376	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	C500	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000125	INDUCTOR-SMD;10uH,10%,2012	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0052	2703-000271	INDUCTOR-SMD;4.7uH,10%,2012	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-000398	INDUCTOR-SMD;10uH,10%,3225	1	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	1	
....4	X201	2801-003667	CRYSTAL-SMD;14.31818MHz,30ppm,28-AAN,16,	1	
....4	X200	2801-003773	CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH	1	
....4	X300	2801-003773	CRYSTAL-SMD;12MHZ,30PPM,28-AAN,20PF,50OH	1	
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60OHM,4516,6000,TP,70OHM/45MHZ,	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001163	BEAD-SMD;80ohm,2012,300mA,TP,,192ohm/867	1	S.N.A
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,5000mA,TP,,,0.01ohm	1	S.N.A
....4	CN906	3711-005470	CONNECTOR-HEADER;BOX,30P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005471	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005471	CONNECTOR-HEADER;BOX,12P,1R,1.25mm,SMD-A	1	
....4	CN906	3711-005472	CONNECTOR-HEADER;BOX,20P,1R,1.25mm,SMD-A	1	
....4	M0018	BN97-00450G	ASSY MICOM;MH17AS,W/W	1	
.....5	IC520	0903-001326	IC-MICROCONTROLLER;NT68F632L,8BIT,PLCC,4	1	S.N.A
....4	C999	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,TP,1608,-	1	
....4	T0077	BN41-00397F	PCB MAIN;MH17AS,FR4,4,1.6,Manet PAL	1	S.N.A
....4	CIS5	0202-001375	SOLDER-CREAM;RMA-20-21L,S63,-,Sn63/Pb36.	2.54	S.N.A
..2	M0123	BN96-00792A	ASSY MISC P-SHIELD D SUB;MH15/17AS,SPTE	1	S.N.A
...3	M0108	BN63-00925A	SHIELD-D SUB;1510MP,SPTE,T0.5	1	S.N.A
...3	M0131	BN63-00792A	GASKET;NB21BS,Conductive Fabric,2mm,10mm	1	S.N.A
0.1	M0019	BN92-00906A	ASSY LABEL;MH17AS	1	S.N.A
0.1	M0113	BN92-00964A	ASSY P/MATERIAL;MH17NS*/MH17AS*	1	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.032	S.N.A
..2	T0524	6902-000522	BAG PE;HDPE/NITRON/HDPE,T0.015/T0.5/T0.0	1	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3	S.N.A
0.1	M0003	BN92-01066L	ASSY BOX;MH17ASSS/*,W/W	1	S.N.A
..2	BOX	BN69-00671B	BOX-03;S/M710MP(MH17NS/AS),CB-SW4,YEL,A-	1.01	S.N.A
..2	M0120	BH75-10529A	UNIT-HANDLE PACKING;LXA410TLMU,PE,-,WHIT	1	S.N.A
...3	M0103	BN72-60001A	LEVER-TOP;LSD210TL,PE-LD,WHITE,TFT_LCD	1	S.N.A
...3	M0102	BN72-60002A	LEVER-BOTTOM;LSD210TL,PE-LD,WHITE,TFT-LC	1	S.N.A
0.1	M0045	BN92-01255L	ASSY ACCESSORY;NEW	1	S.N.A
..2	T0074	BN59-00403A	REMOCON;MH15/17AS,TM75,36,TTX,EX,PAL,MON	1	

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0045	BN96-00645T	ASSY ACCESSORY;MH15ASSS/EDC,EDC,NETHERLA	1	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	1	S.N.A
...3	T0128	BN39-00061B	CBF SIGNAL-STEREO;MH15NS,1P,UL2851#26,20	1	
...3	M0114	BN39-00244A	CBF SIGNAL;BU15AO(T541A),15P/15P,20276-N	1	
...3	T0268	3903-000042	CBF-POWER CORD;DT,EU,FP3/YES,IEC320 C13/	1	
..2	M0045	BN96-01695R	ASSY ACCESSORY;MH17WSSS/XST,TSE,THAILAND	1	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,L356,W240,TRP,28,2,PE	1	S.N.A
...3	ACCESSORY	BN68-00774B	MANUAL-PRC CARD;THAILAND PRC CARD,ENG,TH	1	S.N.A
...3	M0215	BN96-00832D	ASSY MANUAL P-IB+QSG;510MP,710MP,SyncMas	1	S.N.A
....4	CIS	BH68-00376L	MANUAL-04;LCDQUICK SETUP GUIDE,SYNCMASTE	1	S.N.A
....4	CIS	BN59-00390D	S/W DRIVER-07,IB;510MP,710MP,EDC,SyncMas	1	S.N.A
..2	CIS	BN68-00786J	MANUAL-QSG;STAND INSTALL MANUAL,SYNCMAST	1	S.N.A

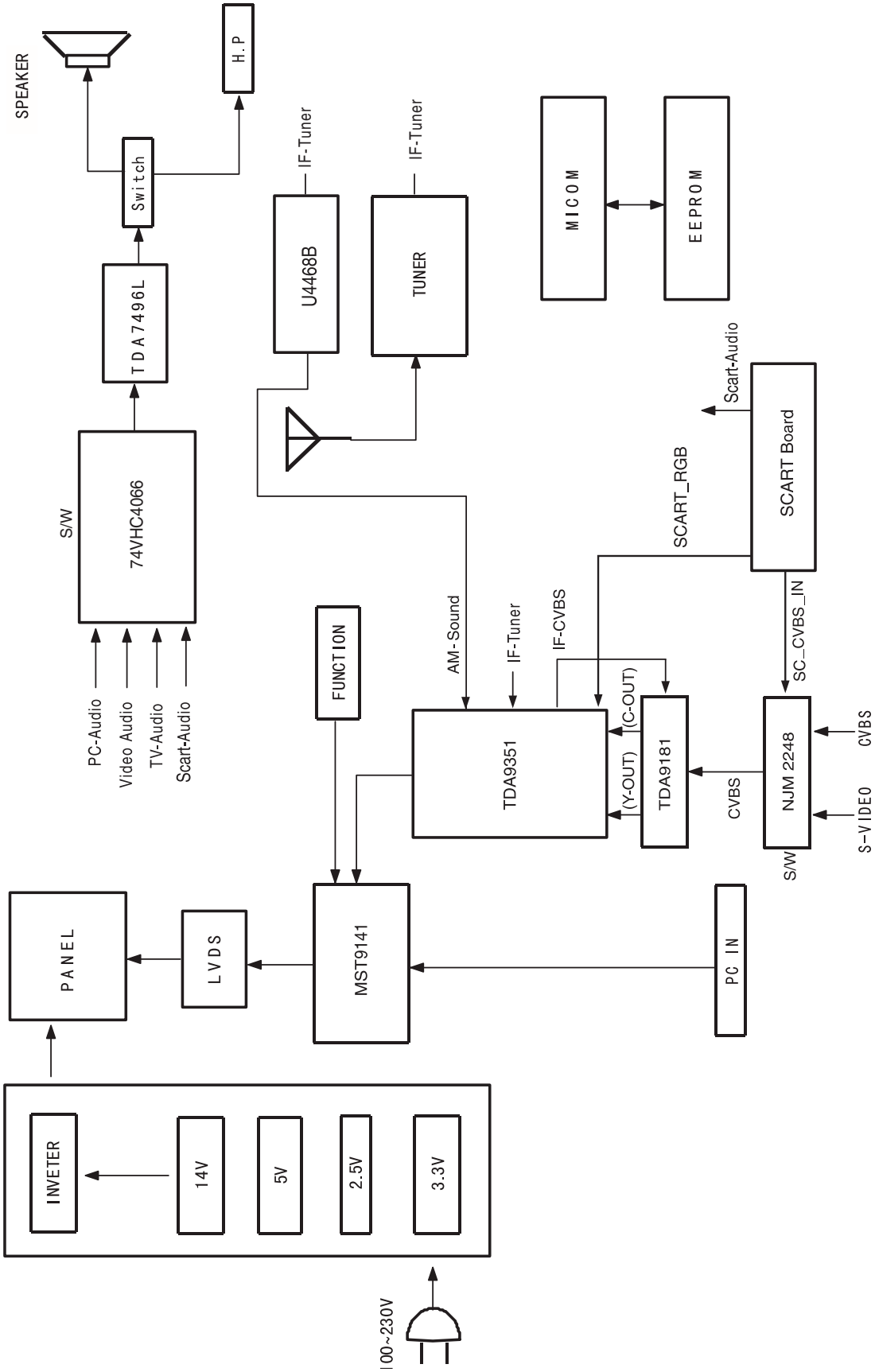
8 Block Diagram

* This Document can not be used without Samsung's authorization.

8-1 MH15AS

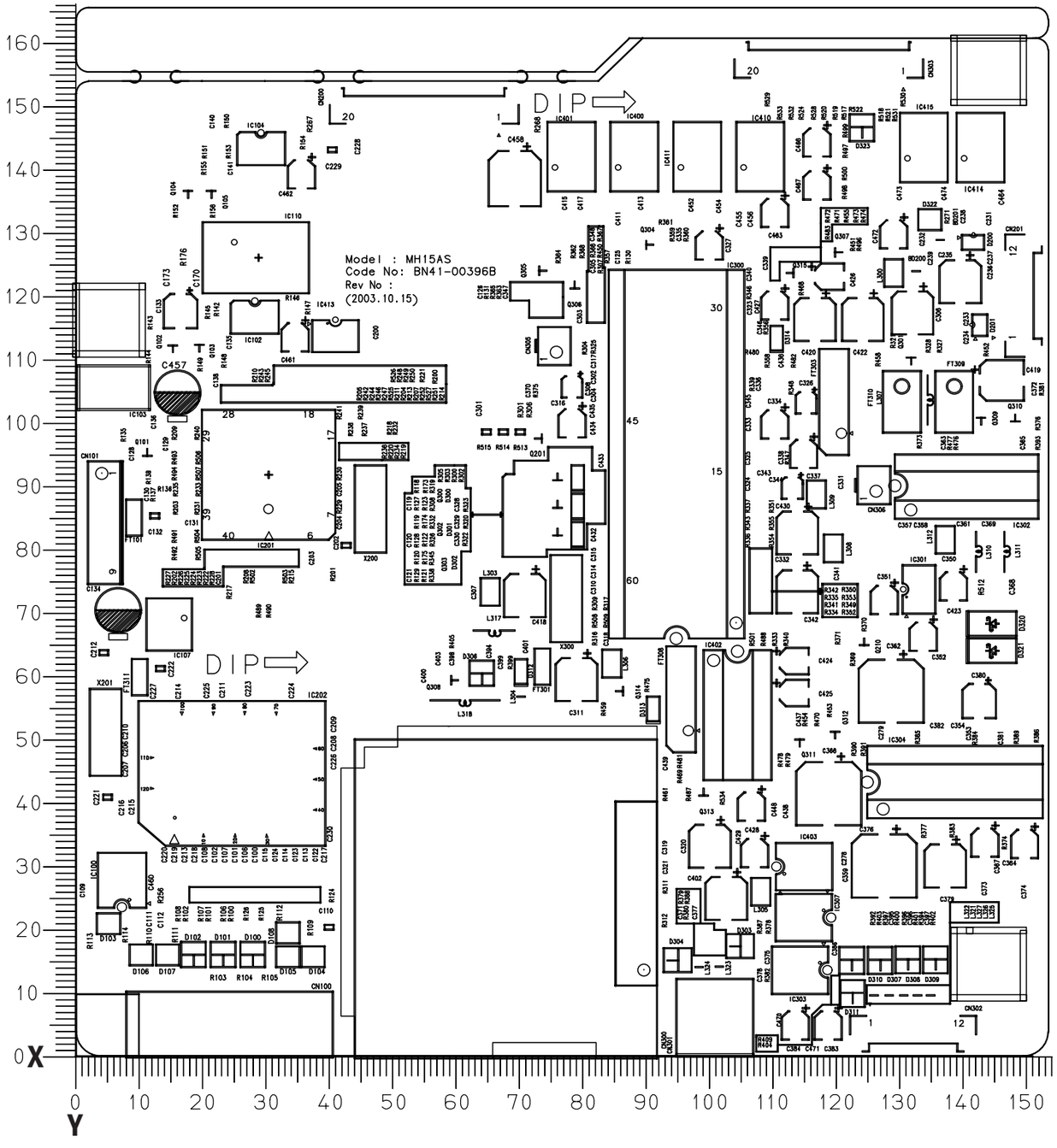


8-2 MH17AS


SPEAKER
H.P
Switch
IF-Tuner
IF-Tuner
MICOM
EEPROM
U4468B
TUNER
TDA7496L
Scart-Audio
SCART Board
S/W
74VHC4066
SCART_RGB
PC-Audio
Video Audio
TV-Audio
Scart-Audio
FUNCTION
AM-Sound
IF-Tuner
IF-CVBS
SC_CVBS_IN
(C-OUT)
(Y-OUT)
TDA9351
TDA9181
CVBS
NJM 2248
CVBS
S-VIDEO
S/W
PANEL
LVDS
MST9141
PC IN
INVETER
14V
5V
2.5V
3.3V
100~230V

10 PCB Layout

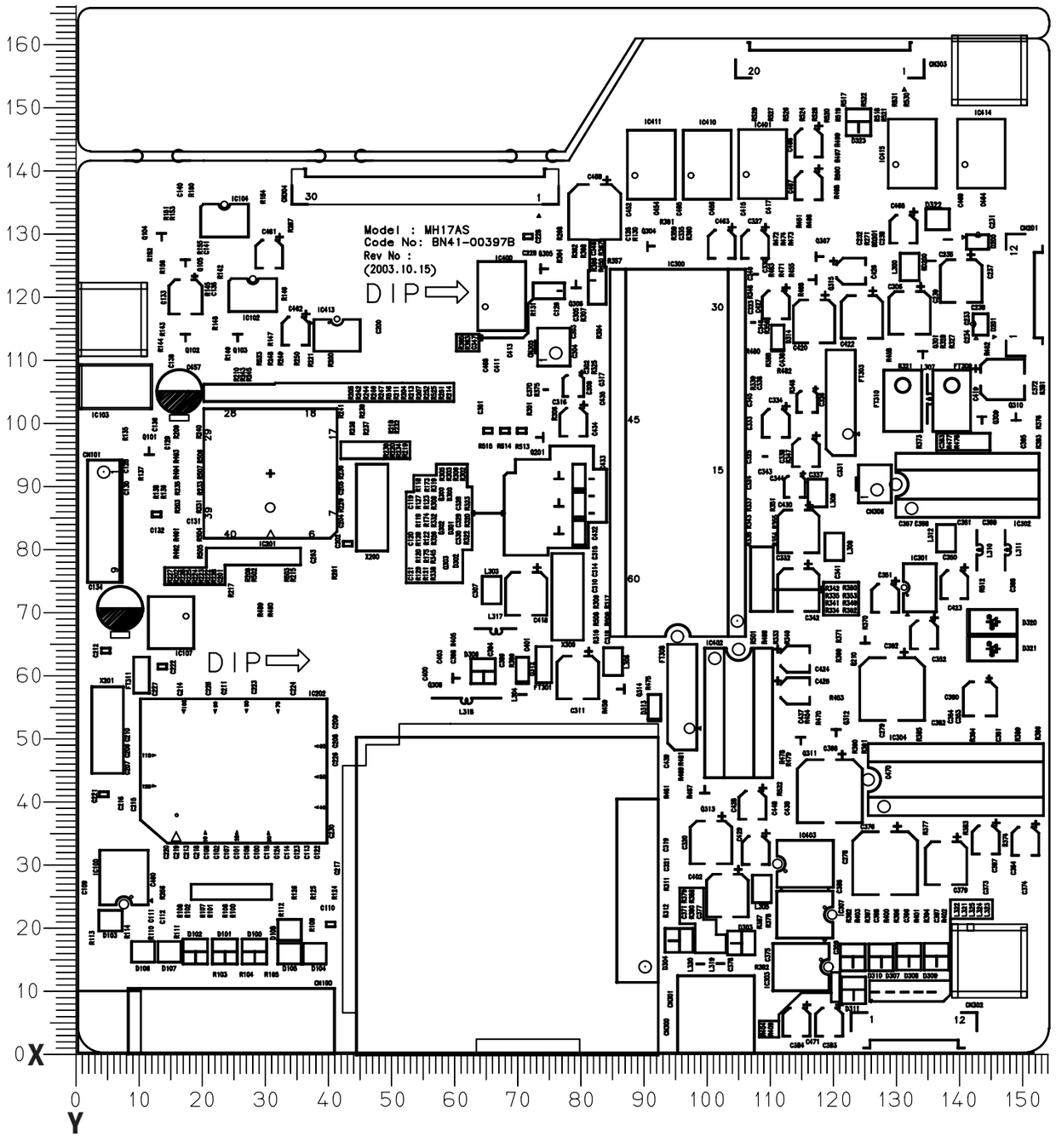
10-1 MH15AS Main PCB Layout



Loc. No.	Description	X	Y
DIODE			
D100	DIODE-SWITCHING	28.1	16.5
D101	DIODE-SWITCHING	23.4	16.5
D102	DIODE-SWITCHING	18.7	16.5
D103	DIODE-ZENER	5.1	21.6
D104	DIODE-ZENER	37.7	16.2
D105	DIODE-ZENER	33.7	16.2
D106	DIODE-ZENER	10.4	16.5
D107	DIODE-ZENER	14.6	16.5
D108	DIODE-ZENER	33.7	20.1
D200	DIODE-ZENER	142.5	132.8
D201	DIODE-ZENER	143.5	119.2
D300	DIODE-SWITCHING	79.7	94.3
D301	DIODE-SWITCHING	79.7	89.7
D302	DIODE-SWITCHING	79.7	85.1
D303	DIODE-ZENER	105.6	17.9
D304	DIODE-ZENER	95.7	15.6
D306	DIODE-SWITCHING	64.5	62.4
D307	DIODE-ZENER	127.8	15.7
D308	DIODE-ZENER	132.2	15.8
D309	DIODE-ZENER	136.6	15.8
D310	DIODE-ZENER	123.3	15.7
D311	DIODE-ZENER	123.4	10.3
D312	DIODE-ZENER	70.7	62.7
D313	DIODE-SWITCHING	91.7	56.6
D314	DIODE-SWITCHING	111.3	117.1
D320	DIODE-RECTIFIER	145.6	70.5
D321	DIODE-RECTIFIER	145.6	66.1
D322	DIODE-ZENER	135.6	136.4
D323	DIODE-ZENER	124.9	151.5
IC			
IC100	IC-TTL	7.3	28.7
IC102	FET-SILICON	28.4	120.6
IC103	IC-VOLTAGE REGULATOR	6.0	109.0
IC104	FET-SILICON	29.4	148.1
IC107	IC-VOLTAGE REGULATOR	14.8	70.4
IC110	IC-POSI.FIXED REG.	29.0	130.2
IC202	IC-LCD CONTROLLER	25.0	45.9

Loc. No.	Description	X	Y
IC300_sock	IC MICOM	104.9	70.6
IC301	IC-VIDEO SWITCH	133.9	76.1
IC302	IC-FILTER	132.6	89.1
IC303	IC-CMOS LOGIC	115.0	14.0
IC304	IC-VOLUME CONTROL	128.2	40.3
IC307	IC-CMOS LOGIC	115.6	22.6
IC400	IC-POSI.FIXED REG.	88.7	147.1
IC401	IC-POSI.FIXED REG.	78.7	147.1
IC402	IC-IF CIRCUIT	105.1	55.6
IC403	IC-CMOS LOGIC	115.7	30.9
IC410	IC-POSI.FIXED REG.	108.7	147.1
IC411	IC-POSI.FIXED REG.	98.7	147.1
IC413	IC-EEPROM	41.2	117.5
IC414	IC-POSI.FIXED REG.	143.7	148.6
IC415	IC-POSI.FIXED REG.	134.7	148.6
TRANSISTOR			
Q101	TR-SMALL SIGNAL	11.3	97.9
Q102	TR-SMALL SIGNAL	15.4	115.9
Q103	TR-SMALL SIGNAL	19.6	116.0
Q104	TR-SMALL SIGNAL	17.8	141.1
Q105	TR-SMALL SIGNAL	21.5	141.1
Q201	TR-SMALL SIGNAL	74.0	100.7
Q210	TR-SMALL SIGNAL	125.2	67.0
Q300	TR-SMALL SIGNAL	76.5	93.9
Q301	TR-SMALL SIGNAL	132.7	113.9
Q302	TR-SMALL SIGNAL	76.5	89.4
Q303	TR-SMALL SIGNAL	76.5	84.9
Q304	TR-SMALL SIGNAL	90.6	132.3
Q305	TR-SMALL SIGNAL	73.6	128.1
Q306	TR-SMALL SIGNAL	79.2	125.2
Q307	TR-SMALL SIGNAL	120.6	131.1
Q308	TR-SMALL SIGNAL	59.6	61.3
Q309	TR-SMALL SIGNAL	143.8	104.1
Q310	TR-SMALL SIGNAL	149.2	103.5
Q311	TR-SMALL SIGNAL	115.0	51.6
Q312	TR-SMALL SIGNAL	120.6	52.9
Q313	TR-SMALL SIGNAL	99.7	42.5
Q314	TR-SMALL SIGNAL	86.9	59.5
Q315	TR-SMALL SIGNAL	114.0	127.7

10-2 MH17AS Main PCB Layout

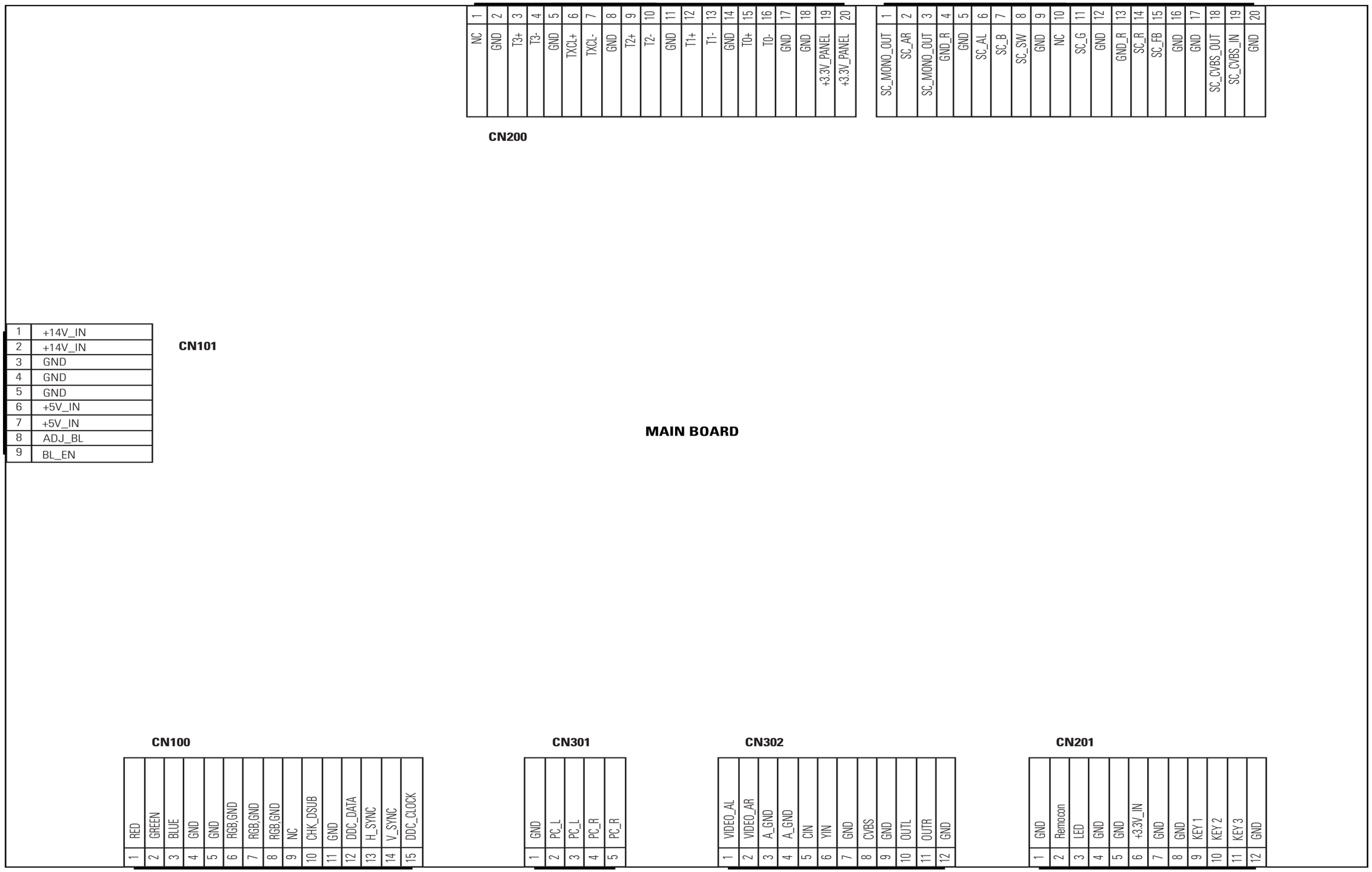


Loc. No.	Description	X	Y
DIODE			
D100	DIODE-SWITCHING	28.1	16.5
D101	DIODE-SWITCHING	23.4	16.5
D102	DIODE-SWITCHING	18.7	16.5
D103	DIODE-ZENER	5.1	21.6
D104	DIODE-ZENER	37.7	16.2
D105	DIODE-ZENER	33.7	16.2
D106	DIODE-ZENER	10.4	16.5
D107	DIODE-ZENER	14.6	16.5
D108	DIODE-ZENER	33.7	20.1
D200	DIODE-ZENER	143.1	132.8
D201	DIODE-ZENER	143.5	119.2
D300	DIODE-SWITCHING	79.7	94.3
D301	DIODE-SWITCHING	79.7	89.7
D302	DIODE-SWITCHING	79.7	85.1
D303	DIODE-ZENER	105.6	17.9
D304	DIODE-ZENER	95.7	18.3
D306	DIODE-SWITCHING	64.5	62.4
D307	DIODE-ZENER	127.8	15.7
D308	DIODE-ZENER	132.2	15.8
D309	DIODE-ZENER	136.6	15.8
D310	DIODE-ZENER	123.3	15.7
D311	DIODE-ZENER	123.4	10.3
D312	DIODE-ZENER	70.7	62.7
D313	DIODE-SWITCHING	91.7	56.6
D314	DIODE-SWITCHING	111.3	117.1
D320	DIODE-RECTIFIER	145.6	70.5
D321	DIODE-RECTIFIER	145.6	66.1
D322	DIODE-ZENER	136.7	136.4
D323	DIODE-ZENER	124.2	152.4
IC			
IC100	IC-TTL	7.3	28.7
IC102	FET-SILICON	27.8	124.1
IC103	IC-VOLTAGE REGULATOR	6.0	109.0
IC104	FET-SILICON	23.3	136.3
IC107	IC-VOLTAGE REGULATOR	14.8	70.4
IC201	IC-MICROCONTROLLER	30.6	94.8
IC202	IC-LCD CONTROLLER	25.0	45.9

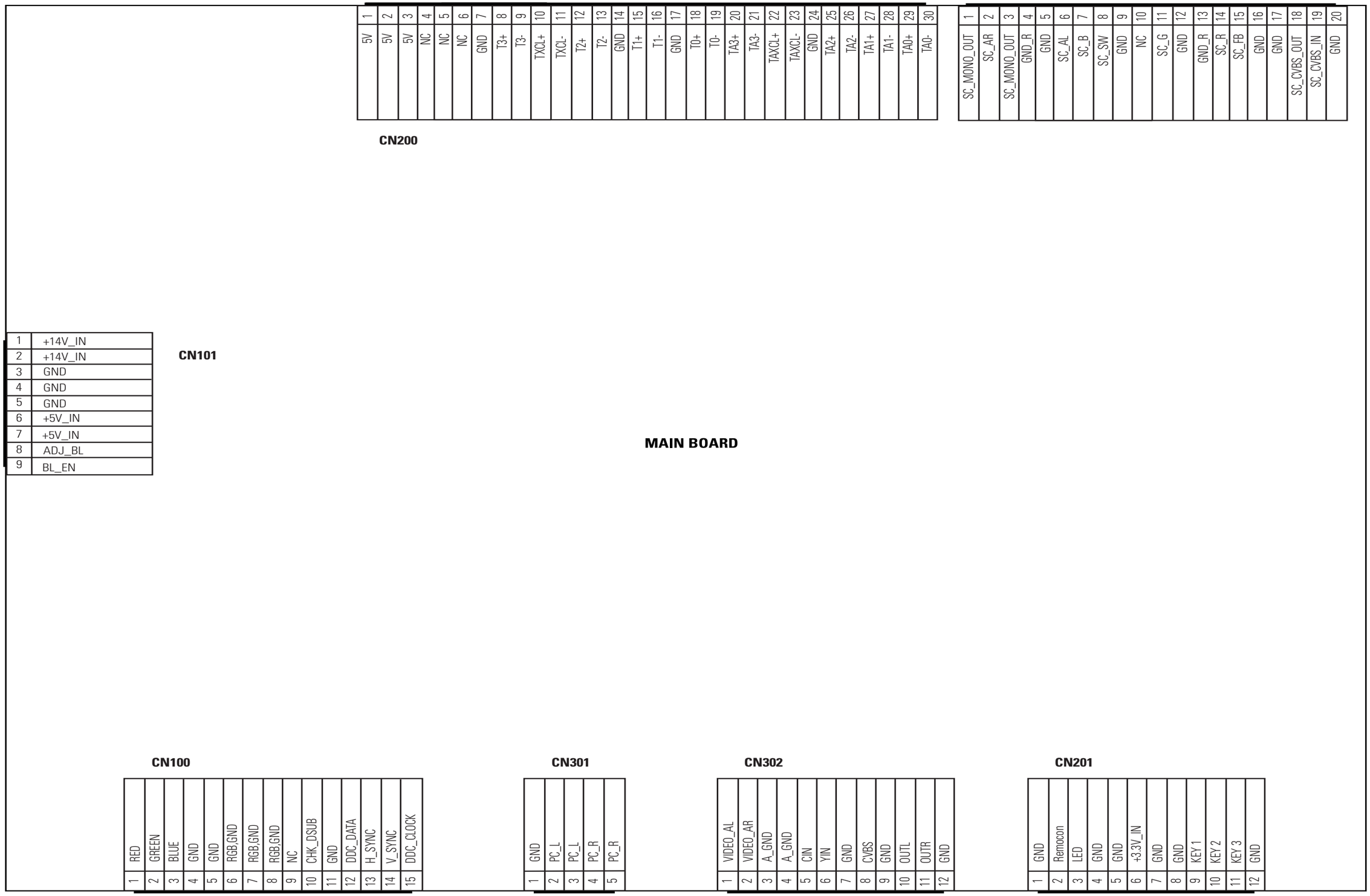
Loc. No.	Description	X	Y
IC300_sock	IC MICOM	104.9	70.6
IC301	IC-VIDEO SWITCH	133.9	76.1
IC302	IC-FILTER	132.6	89.1
IC303	IC-CMOS LOGIC	115.0	14.0
IC304	IC-VOLUME CONTROL	128.2	40.3
IC307	IC-CMOS LOGIC	115.6	22.6
IC400	IC-POSI.FIXED REG.	67.4	124.3
IC401	IC-POSI.FIXED REG.	108.9	145.9
IC402	IC-IF CIRCUIT	105.1	55.6
IC403	IC-CMOS LOGIC	115.7	30.9
IC410	IC-POSI.FIXED REG.	100.1	145.8
IC411	IC-POSI.FIXED REG.	91.2	145.8
IC413	IC-EEPROM	41.2	117.5
IC414	IC-POSI.FIXED REG.	143.7	147.6
IC415	IC-POSI.FIXED REG.	132.7	147.6
TRANSISTOR			
Q101	TR-SMALL SIGNAL	11.3	97.9
Q102	TR-SMALL SIGNAL	17.1	117.6
Q103	TR-SMALL SIGNAL	25.4	117.6
Q104	TR-SMALL SIGNAL	13.3	134.1
Q105	TR-SMALL SIGNAL	17.1	129.8
Q201	TR-SMALL SIGNAL	74.0	100.7
Q210	TR-SMALL SIGNAL	125.2	67.0
Q300	TR-SMALL SIGNAL	76.5	93.9
Q301	TR-SMALL SIGNAL	134.4	114.8
Q302	TR-SMALL SIGNAL	76.5	89.4
Q303	TR-SMALL SIGNAL	76.5	84.9
Q304	TR-SMALL SIGNAL	90.6	132.0
Q305	TR-SMALL SIGNAL	73.6	128.3
Q306	TR-SMALL SIGNAL	79.2	125.2
Q307	TR-SMALL SIGNAL	117.4	130.3
Q308	TR-SMALL SIGNAL	59.6	61.3
Q309	TR-SMALL SIGNAL	143.8	104.1
Q310	TR-SMALL SIGNAL	149.2	103.5
Q311	TR-SMALL SIGNAL	115.0	51.6
Q312	TR-SMALL SIGNAL	120.6	52.9
Q313	TR-SMALL SIGNAL	99.7	42.5
Q314	TR-SMALL SIGNAL	86.9	59.5
Q315	TR-SMALL SIGNAL	117.4	126.5

9 Wiring Diagram

9-1 MH15AS



9-2 MH17AS


CN200
1 5V
2 5V
3 5V
4 NC
5 NC
6 NC
7 GND
8 T3+
9 T3-
10 TXCL+
11 TXCL-
12 T2+
13 T2-
14 GND
15 T1+
16 T1-
17 GND
18 T0+
19 T0-
20 TA3+
21 TA3-
22 TAXCL+
23 TAXCL-
24 GND
25 TA2+
26 TA2-
27 TA1+
28 TA1-
29 TA0+
30 TA0-
1 SC_MONO_OUT
2 SC_AR
3 SC_MONO_OUT
4 GND_R
5 GND
6 SC_AL
7 SC_B
8 SC_SW
9 GND
10 NC
11 SC_G
12 GND
13 GND_R
14 SC_R
15 SC_FB
16 GND
17 GND
18 SC_CVBS_OUT
19 SC_CVBS_IN
20 GND
CN101
1 +14V_IN
2 +14V_IN
3 GND
4 GND
5 GND
6 +5V_IN
7 +5V_IN
8 ADJ_BL
9 BL_EN
MAIN BOARD
CN100
1 RED
2 GREEN
3 BLUE
4 GND
5 GND
6 RGB.GND
7 RGB.GND
8 RGB.GND
9 NC
10 CHK_DSUB
11 GND
12 DDC_DATA
13 H_SYNC
14 V_SYNC
15 DDC_CLOCK
CN301
1 GND
2 PC_L
3 PC_L
4 PC_R
5 PC_R
CN302
1 VIDEO_AL
2 VIDEO_AR
3 A_GND
4 A_GND
5 CIN
6 YIN
7 GND
8 CVBS
9 GND
10 OUTL
11 OUTR
12 GND
CN201
1 GND
2 Remocon
3 LED
4 GND
5 GND
6 +3.3V_IN
7 GND
8 GND
9 KEY 1
10 KEY 2
11 KEY 3
12 GND

11 Schematic Diagrams

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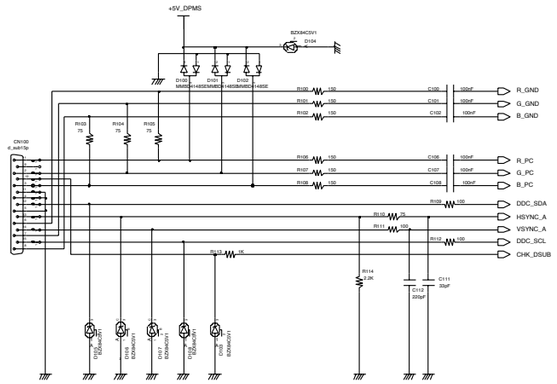
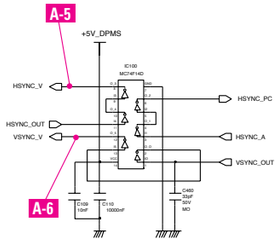
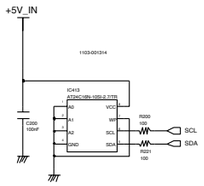
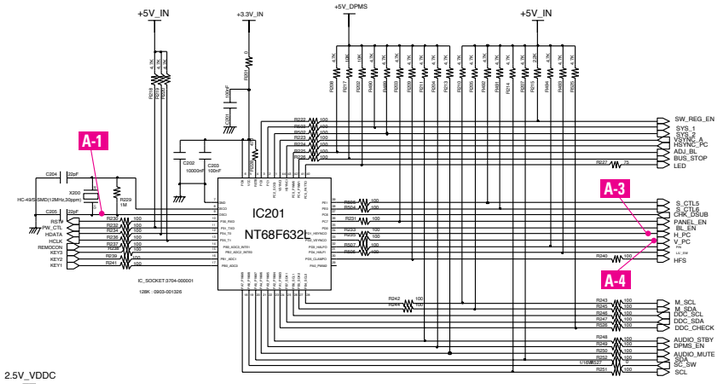
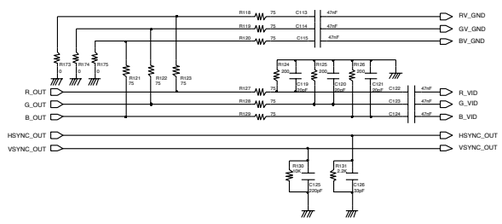
11-1-1 MH15AS Schematic Diagram

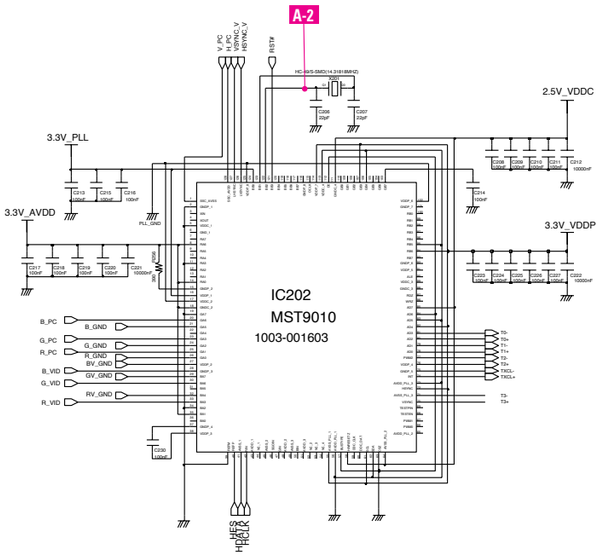


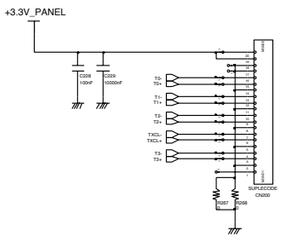


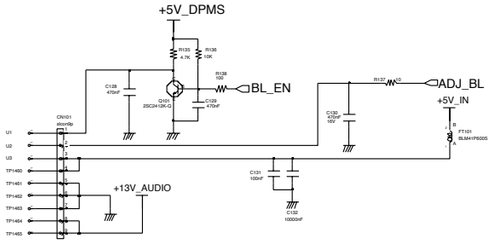


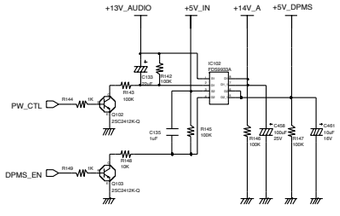


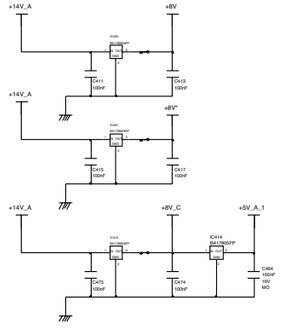


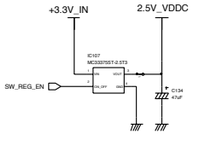


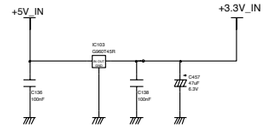


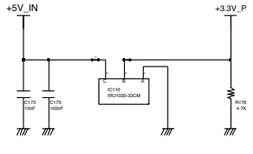


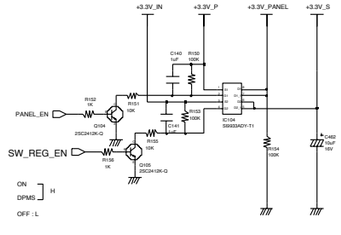


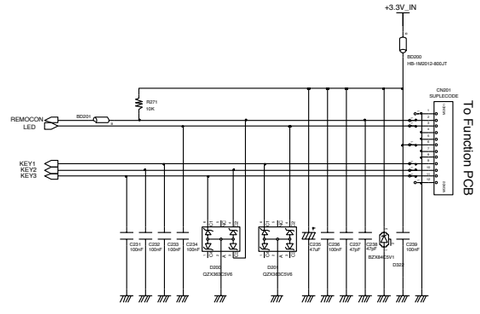


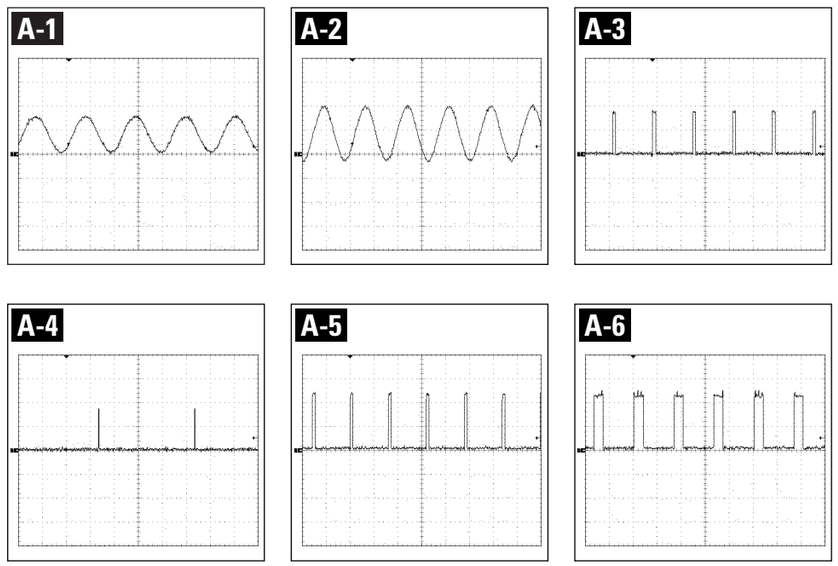








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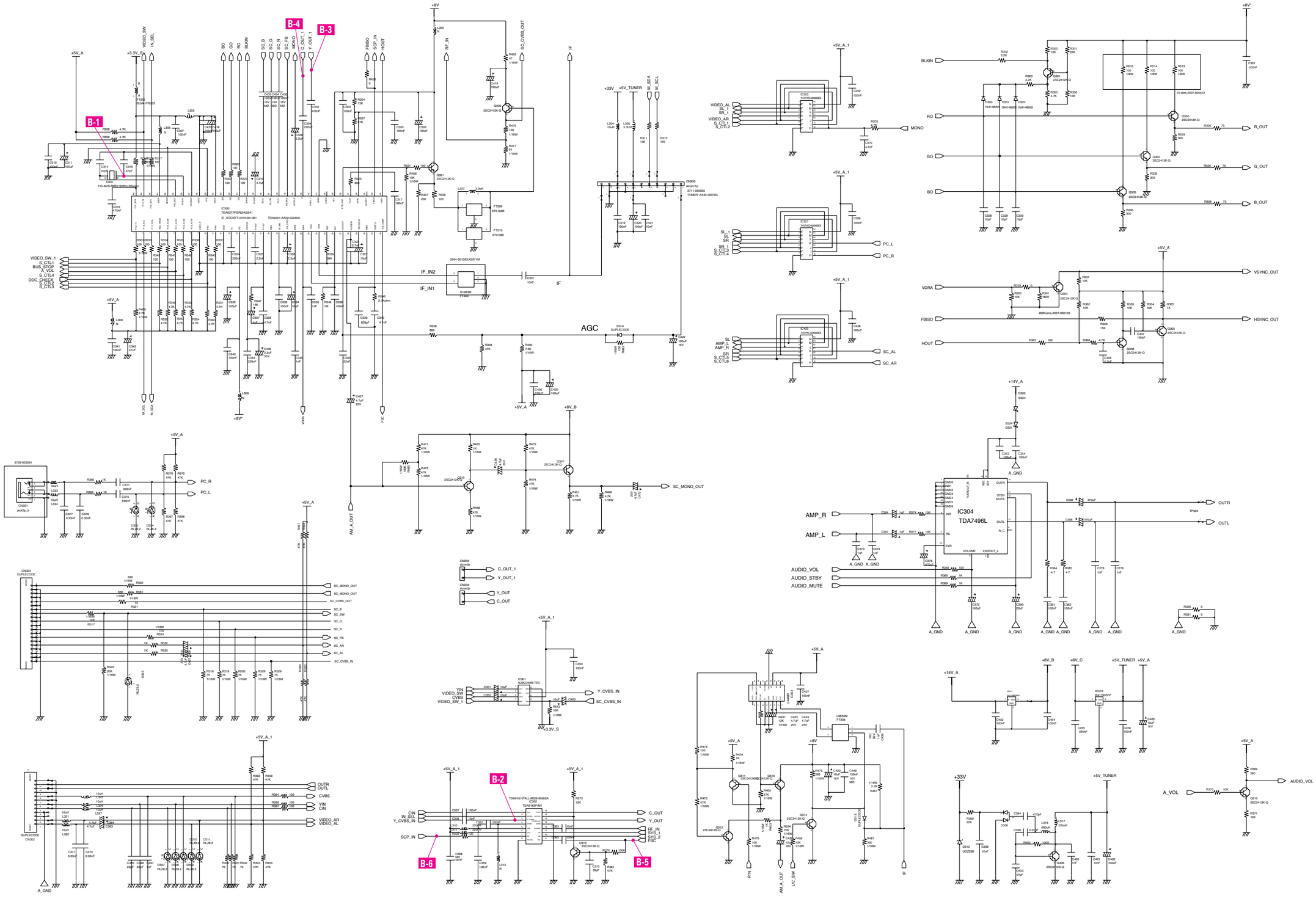
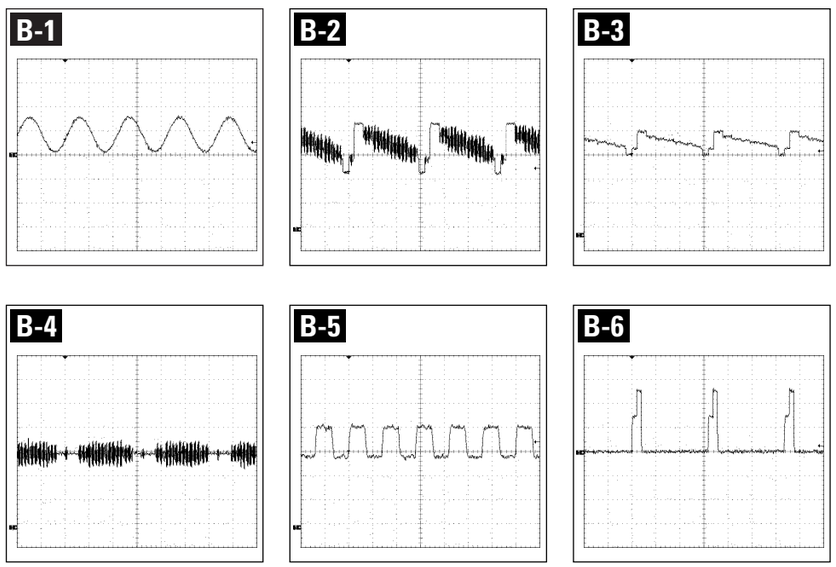
11-1-2 MH15AS Schematic Diagram

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B-6

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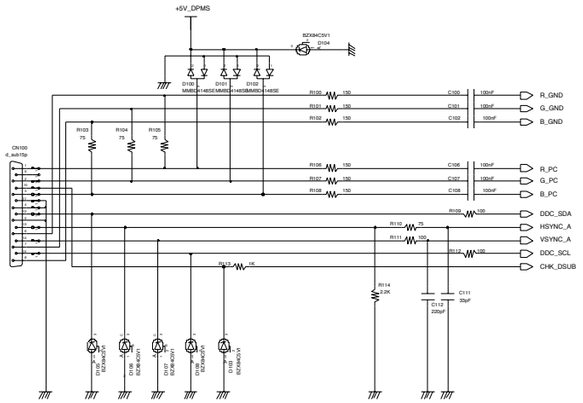
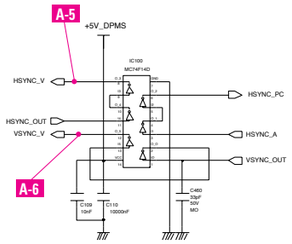
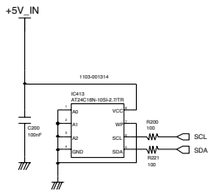
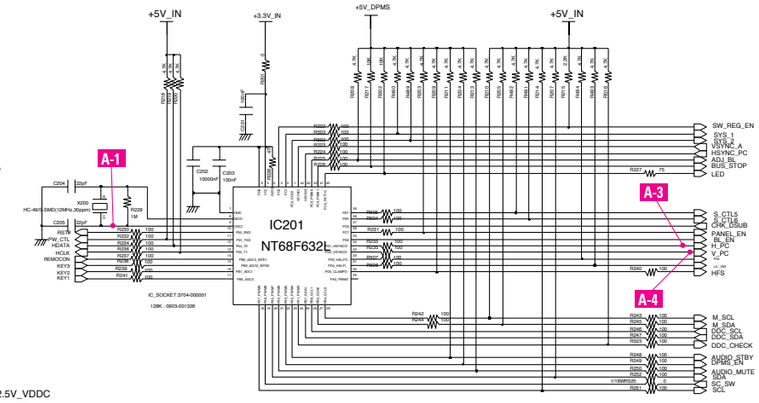
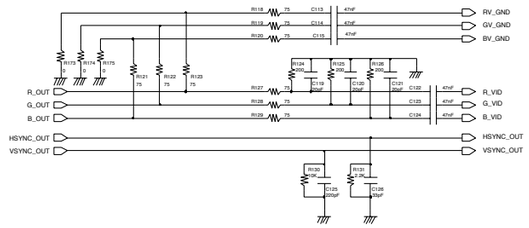
11-2-1 MH17AS Schematic Diagram

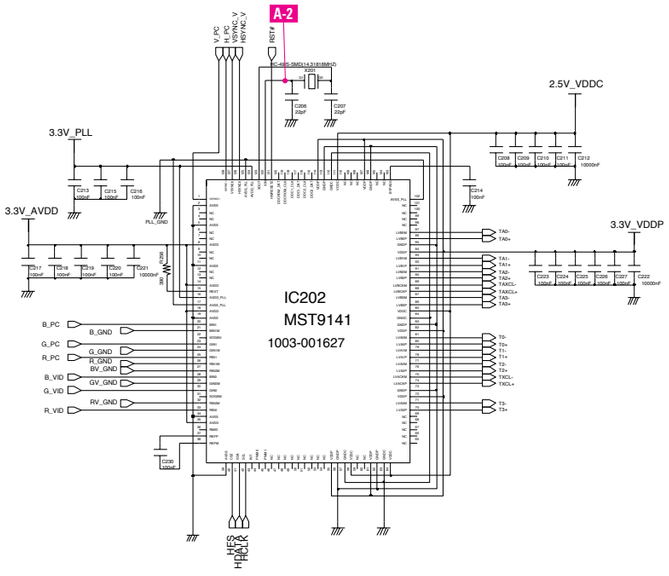


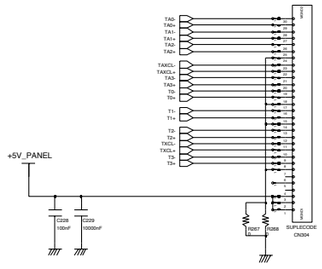


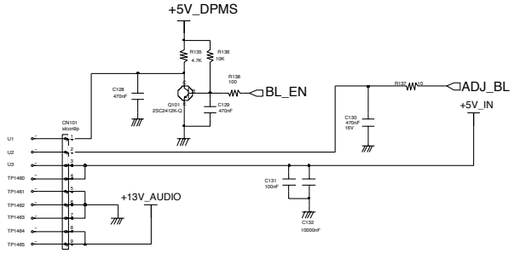


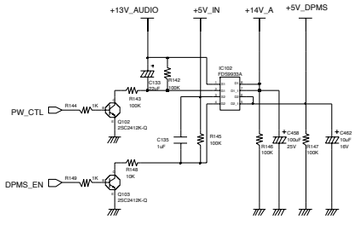


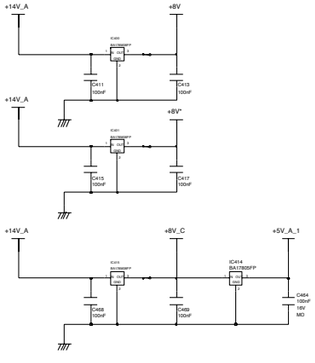


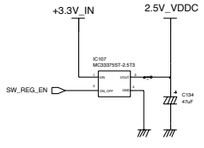


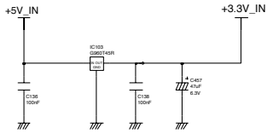


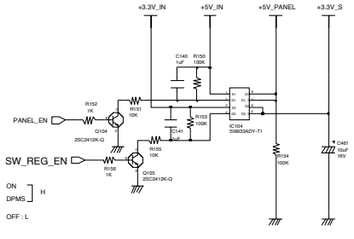


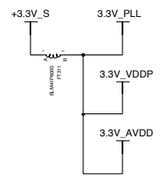


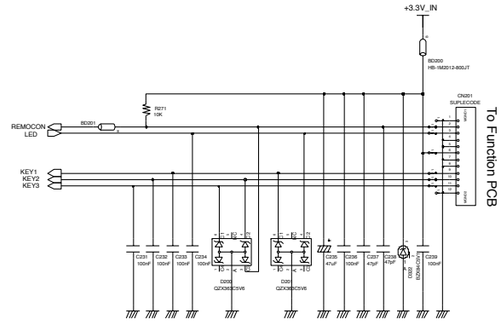


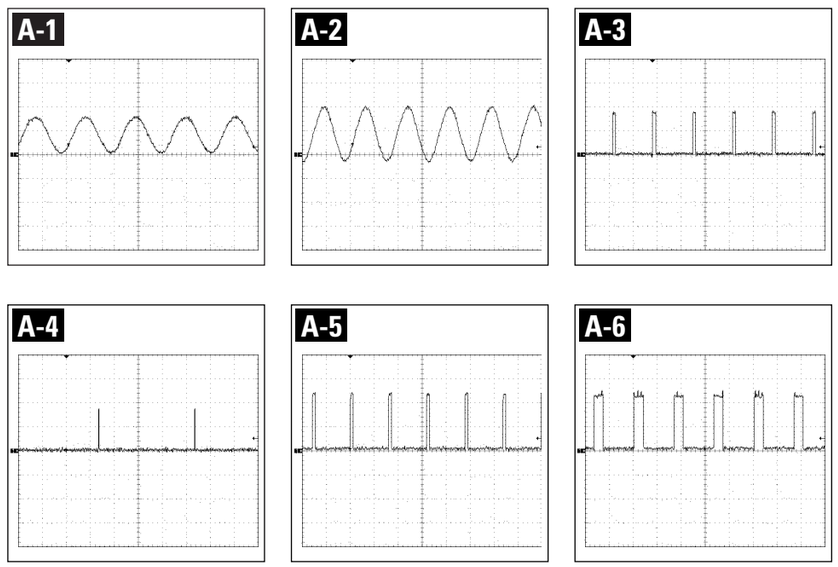








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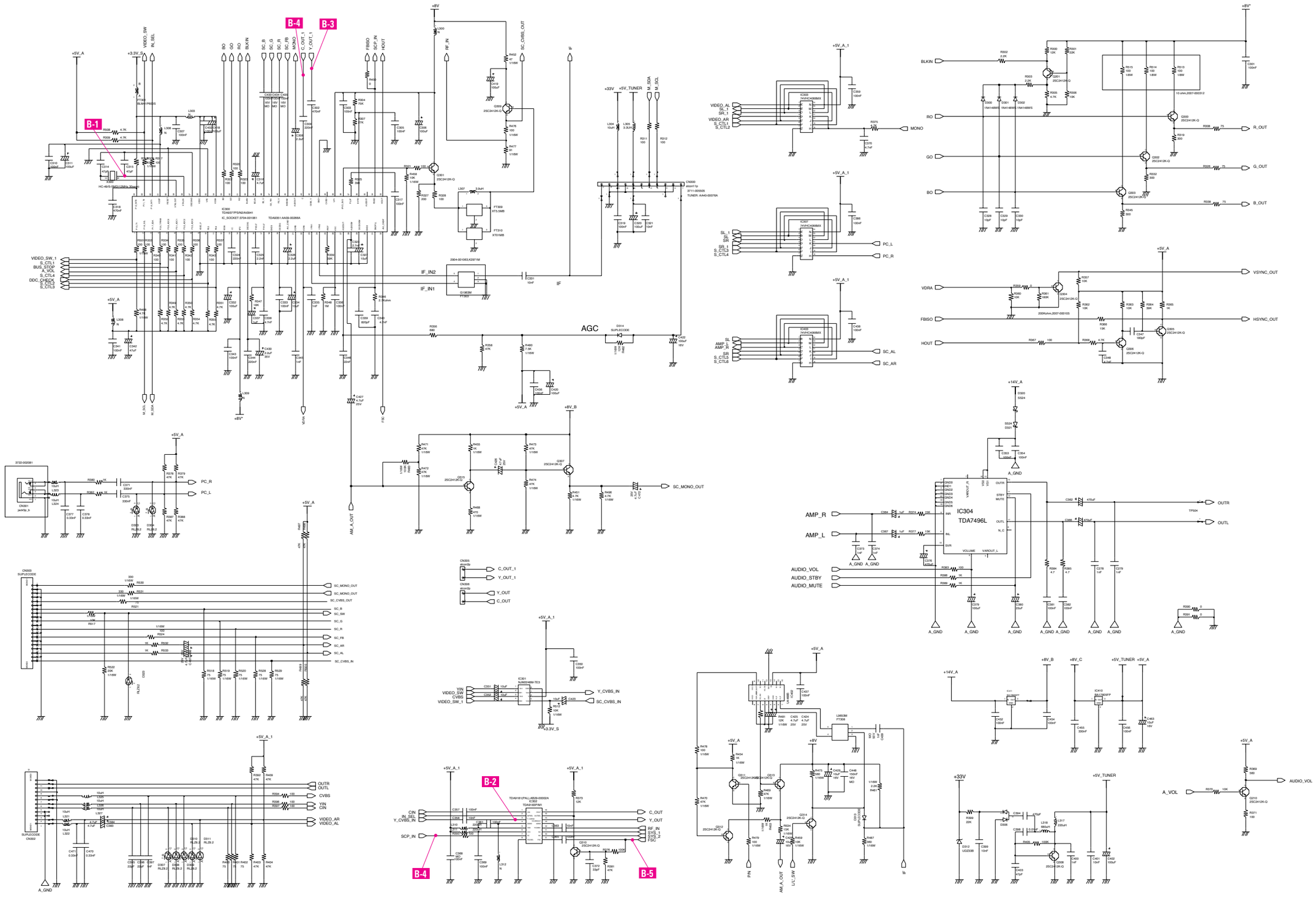
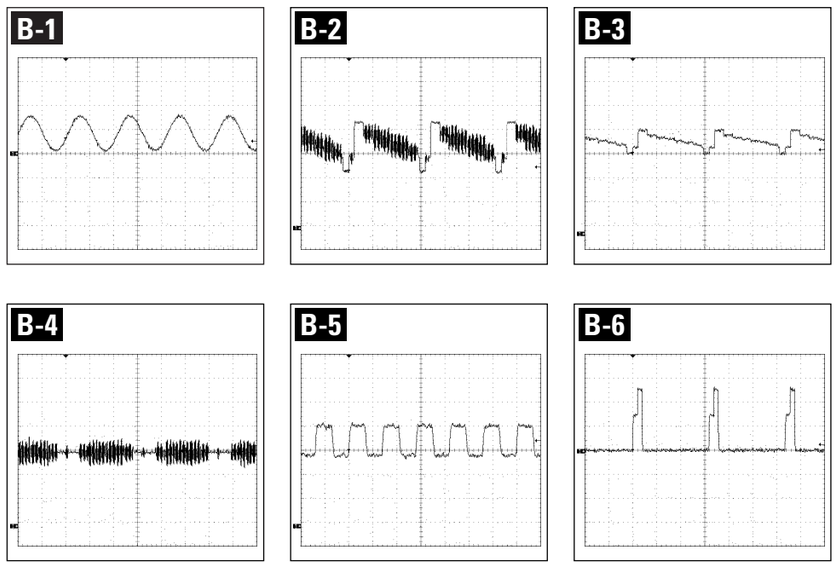
11-2-2 MH17AS Schematic Diagram

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